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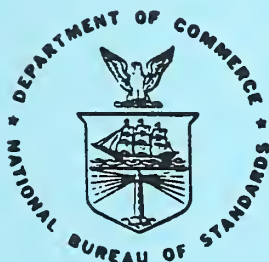
1987-88 Directory of NVLAP Accredited Laboratories

MAR 10 1988

Harvey W. Berger, Editor

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
Office of the Associate Director for Industry & Standards
Gaithersburg, MD 20899

January 1, 1988



U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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ACCREDITED LABORATORIES**

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U.S. DEPARTMENT OF COMMERCE, C. William Verity, *Secretary*
NATIONAL BUREAU OF STANDARDS, Ernest Ambler, *Director*

PREFACE

The National Bureau of Standards' National Voluntary Laboratory Accreditation Program (NVLAP) improves the competence of testing laboratories and the reliability of laboratory measurements. NVLAP determines laboratory ability to meet established criteria and technical requirements, for accreditation of specific test methods, through on-site assessments by technical experts and laboratory participation in proficiency testing programs. Publication of results of proficiency testing and participation in standards development contribute to improved test methods and laboratory performance.

The accredited laboratories have been found competent to perform the specific test methods shown. They have the skilled people, necessary facilities and equipment, and documentation and quality assurance systems to produce reliable test data. We recommend that consideration be given to the use of these laboratories whenever their accredited testing capabilities satisfy testing needs.

NVLAP has pursued its activities to accredit laboratories in testing areas for which there has been a specific request, a demonstrated need, and a potential benefit to the public. NVLAP has also provided the basis for acceptance by other countries of test data produced by laboratories in the United States through bilateral agreements. We shall continue to work toward liberalizing the means used to satisfy trade requirements whenever possible.



Associate Director
Industry and Standards

DIRECTORY OF NVLAP ACCREDITED LABORATORIES

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INTRODUCTION

This Directory lists laboratories that have been accredited, as of January 1, 1988, under the procedures of the National Voluntary Laboratory Accreditation Program (NVLAP). Indexes A, B, and C list the accredited laboratories alphabetically by name, by field of testing, and by state, respectively. Each laboratory's scope of accreditation, which lists the specific test methods for which it is accredited, is presented in Index D.

The period of accreditation is generally one year. Since a laboratory can be accredited on January 1, April 1, July 1, or October 1, its accreditation will terminate unless renewed by that date to remain in force. Users of this Directory who are considering selection of accredited laboratories should be aware of the renewal date and independently determine if the laboratory is accredited, for applicable test methods, at the time its services are to be provided. Current information on the accredited status of a laboratory can be obtained:

- (1) directly from the laboratory;
- (2) by writing to: Manager, Laboratory Accreditation
National Bureau of Standards
Admin A 529
Gaithersburg, MD 20899
- (3) by calling NVLAP on 301-975-4016; or
- (4) by communicating with the NVLAP personal computer based electronic bulletin board by calling 301-948-2058.

PROGRAM SUMMARY STATEMENT

The National Bureau of Standards (NBS) administers the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP accredits public and private testing laboratories based on evaluation of their technical qualifications and competence for conducting specific tests or types of tests in specified fields of testing. Accreditation is based on criteria published in the Code of Federal Regulations as part of the NVLAP procedures. Accreditation is granted following successful completion of a process which includes submission of an application and payment of fees by the laboratory, an on-site assessment, resolution of any deficiencies identified during the on-site assessment, participation in proficiency testing, technical evaluation, and administrative review. The accreditation is formalized through issuance of a Certificate of Accreditation, Scope of Accreditation and publicized by announcement in various government and private media.

NVLAP accreditation is available to commercial laboratories, manufacturer's in-house laboratories, university laboratories, Federal, State, and local government laboratories. Foreign-based laboratories may also be accredited if they meet the same requirements as domestic laboratories and pay any additional fees required for travel expenses.

NVLAP provides an unbiased third party evaluation and recognition of performance, as well as expert technical assistance to upgrade laboratory performance. NVLAP accreditation means that the laboratory's quality system, staff, facilities and equipment, calibration procedures, test methods and procedures, records, and test reports, have been evaluated and found to meet NVLAP criteria. NVLAP accreditation does not imply any guarantee (certification) of laboratory performance or product test data; it is solely a finding of laboratory competence.

A Directory of Accredited Laboratories is published annually listing the name and address, scope of accreditation, contact person, and the accreditation renewal date for each accredited laboratory. Supplements to the Directory are published in the Federal Register quarterly to cover interim accreditation actions, including initial accreditations, renewals, suspensions, terminations, and revocations.

A laboratory may cite its accredited status and use NVLAP logos on reports, stationery, and in business and trade publications provided that its use does not imply product certification.

Technical Experts

NVLAP uses technical experts to assess and evaluate the laboratories as described below. These individuals, knowledgeable in the testing field being evaluated, may be engineers or scientists currently active in the field, consultants, college professors or retired persons. They are selected on the basis of their professional and academic achievements, experience in the field of testing, management experience, and tact in dealing with people. Their services are generally contracted as required; they are not NVLAP staff members.

Assessors are selected to conduct an on-site assessment of a particular laboratory on the basis of how well their individual experience matches the type of testing to be assessed, as well as absence of conflicts of interest. The laboratory has the right to appeal the assignment of an assessor and may request an alternate.

Evaluators are selected to review the record of the laboratory as a whole, including the application, assessment report, deficiencies, corrections to deficiencies, and proficiency test results and, based on this record, to recommend whether or not a laboratory should be accredited. The evaluators are matched to the type of testing being evaluated and are selected to avoid conflicts of interest.

On-Site Assessment

Before initial accreditation and periodically thereafter, an on-site assessment of each laboratory is conducted to determine compliance with the NVLAP criteria. Assessors use checklists developed by NVLAP so that each laboratory receives an assessment comparable to that received by others. However, assessors have considerable latitude to make judgments about a laboratory's compliance with the NVLAP criteria, based upon the assessor's experience and any unique characteristics of the laboratory.

The time needed to conduct an assessment varies, but two days is the norm. Assessments are conducted with as little disruption as possible to the normal operations of the laboratory. During the assessment the assessor carries out the following functions:

- meets with management and supervisory personnel responsible for the laboratory's activities to review the assessment process and to set the assessment agenda;
- examines the laboratory's quality assurance system, selects and traces the history of one or more samples from receipt to final issuance of test reports, conducts a thorough review of the laboratory's quality manual or equivalent, evaluates the training program, examines notebooks or records pertaining to the samples, checks sample identification and tracking procedures, determines whether the appropriate environmental conditions are maintained, and examines copies of completed test reports;
- reviews records of periodic internal audits, use of check samples or participation in round robin testing or other similar programs, personnel records including resumes and job descriptions of key personnel, competency evaluations for all staff members who routinely perform the testing for which accreditation is sought, calibration or verification records for apparatus used, test reports, and sample control records;
- observes demonstrations of testing techniques and discusses them with the technical personnel to assure their understanding of the procedures; and
- examines major equipment, apparatus, and facilities.

At the conclusion of the assessment, the assessor conducts an exit briefing to discuss observations with appropriate laboratory staff and to call attention to any deficiencies uncovered.

If the on-site inspection reveals deficiencies that pertain to the NVLAP requirements, either the assessor leaves written notification at the conclusion of the assessment, or NVLAP sends a letter to the laboratory describing the specific items requiring attention. The laboratory must provide NVLAP with documentation or certification, by the authorized representative that the specified deficiencies have been corrected or that specific actions are being taken to correct the deficiencies.

Monitoring Visits

Monitoring visits may be conducted, at any time during the accreditation period, for cause or on a random selection basis. These visits serve to verify reported changes in the laboratory's personnel, facilities, and operations or to explore possible reasons for poor performance in proficiency testing. The scope of a monitoring visit may range from checking a few designated items to a complete review.

Proficiency Testing

Proficiency testing is an integral part of the NVLAP accreditation process. Demonstration of appropriate facilities, equipment, personnel, etc. is essential, but may not be sufficient, for the evaluation of laboratory competence. The production of test data using special proficiency testing samples or artifacts provides NVLAP with a way to determine the overall competence of the laboratory.

Each program area has unique proficiency testing requirements. Data submitted by the laboratories in response to specific NVLAP requirements is analyzed and summary reports of the results of inter-laboratory comparisons are sent back to the participants.

Proficiency testing helps to identify problems in a laboratory which NVLAP staff members work with the laboratory staff to solve. NVLAP provides results of proficiency testing to appropriate standards-writing bodies to assist them in improving test procedures.

NVLAP requires satisfactory proficiency testing as a condition of initial and continuing accreditation. Satisfactory participation is based on the nature of specific test methods. Some test methods define pass/fail criteria. In other cases, individual laboratory test data must fall within statistically acceptable limits of overall group performance.

Technical Evaluation

A final technical evaluation is performed by the technical experts. Their recommendations are based on:

- information provided on the application;
- on-site assessment reports;
- actions taken by the laboratory to correct deficiencies;
- results of proficiency testing; and
- information from any monitoring visits of the laboratory.

If the technical evaluation reveals additional deficiencies, written descriptive notifications are made to the laboratory. The laboratory must provide documentation or certification by its authorized representative that the specified deficiencies have been corrected. Clarification of some issues may be requested by telephone. All deficiencies must be corrected before accreditation can be granted or renewed.

Administrative Review

After the technical evaluation has been completed, NVLAP staff prepares an administrative recommendation that the laboratory either be granted or denied accreditation. This recommendation is based on a review of the technical evaluation and other records to ensure that all NVLAP technical, financial and administrative obligations have been satisfied.

Accreditation Actions

Accreditation - if all accreditation requirements are satisfied.

Denial - if the laboratory does not meet NVLAP criteria and cannot do so in an appropriate time period, it is notified of a proposal to deny accreditation and the reason(s) therefor.

Suspension - if the terms of its accreditation are in temporary non-compliance, but deficiencies can be corrected in an acceptable time period, the laboratory will be notified of the reasons for and conditions of the suspension and the action(s) that the laboratory must take to have accreditation reinstated.

Revocation - if the terms of its accreditation have been violated and deficiencies cannot or will not be corrected, the laboratory is notified of a proposal to revoke accreditation and the reasons therefor and may be given the option of voluntarily terminating accreditation. If accreditation is revoked, the laboratory must return its Certificate of Accreditation and cease use of the NVLAP logo on any of its reports, other correspondence, or advertising.

If denial or revocation has been proposed, the laboratory may request a hearing, under United States Code 5 U.S.C. 556, within 30 days of the date of receipt of the notification. If a hearing is not requested, the action becomes final upon the expiration of that 30-day period.

LABORATORY PARTICIPATION SUMMARY

The following table summarizes NVLAP accreditation actions that occurred during calendar year 1987. Since some laboratories are accredited in more than one field of testing, the number of accredited laboratories listed by field (see Index B) is greater than the number of laboratories in the system (see Index A).

Field of Testing	Accredited Labs as of Jan. 1988	Change from January 1987
Acoustics	7	+2
Carpet	22	+1
Commercial Products		
Paint	4	0
Paper	3	+1
Seals/Sealants	1	0
Construction Testing		
Concrete/Admixtures	22	-6
Cement	4	+4
Aggregates	8	+8
Bituminous	3	+3
Soil/Rock	2	+2
Dosimetry	51	+6
Electromagnetics	17	+3
Stove	4	-5
Thermal Insulation	36	+1
Totals	186	+21

The following laboratories, listed by NVLAP Lab Code Number*, are accredited for specific test methods in the noted fields of testing.

Acoustics

0111 0123 0188 0227 0228 0229 0239 0256 0286

Carpet

0105 0106 0108 0115 0120 0139 0149 0151 0156 0160 0163 0166 0178
0190 0193 0197 0220 0221 0243 0247 0288 0289

Paint

0252 0263 0266 0281

Paper

0259 0265 0291

Seals and Sealants

0252

Concrete/Admixtures

0131 0135 0141 0146 0154 0161 0176 0177 0183 0188 0191 0195 0196
0206 0230 0232 0233 0241 0253 0257 0279 0287

Cement

0141 0154 0176 0183

* See Indexes A through E for names, addresses, and scopes of accreditation of laboratories listed by NVLAP Lab Code Number.

Aggregates

0135 0141 0154 0176 0188 0191 0230 0287

Bituminous Materials

0135 0188 0191

Soil and Rock

0135 0287

Dosimetry

0501 0502 0503 0504 0505 0506 0508 0509 0510 0511 0512 0513 0514
0515 0516 0517 0518 0519 0520 0521 0522 0523 0524 0525 0526 0528
0529 0530 0531 0532 0533 0534 0536 0537 0538 0539 0540 0541 0542
0543 0544 0545 0546 0547 0550 0551 0552 0553 0555 0556 0557

Electromagnetics

0255 0267 0268 0269 0270 0271 0272 0273 0274 0275 0276 0277 0278
0280 0283 0285 0290

Stove

0116 0117 0240 0244

Thermal Insulation

0101 0102 0103 0104 0105 0106 0107 0109 0111 0113 0115 0116 0117
0120 0121 0122 0123 0124 0125 0126 0128 0129 0130 0142 0175 0188
0210 0216 0248 0250 0251 0258 0260 0261 0282 0284

INDEX A. ALPHABETICAL LISTING BY LABORATORY NAME

0286	Acoustic Systems Acoustical Res Facility	Austin,	TX
0135	Aguirre Engineers, Inc.	Englewood,	CO
0271	Amador Corporation	Taylor's Falls,	MN
0146	American Testing	Lancaster,	PA
0139	American Carpet Laboratories, Inc.	Ringgold,	GA
0284	Amoco Foam Products Company	Smyrna,	GA
0282	Architectural Testing Inc.	York,	PA
0536	Arizona Nuclear Power Project-PVNGS	Phoenix,	AZ
0542	Arizona State University	Tempe,	AZ
0228	Armstrong World Industries	Lancaster,	PA
0275	AT&T Information Systems EMC Laboratory	Holmdel,	NJ
0177	Atlantic Testing Laboratories, Limited	Cicero,	NY
0556	Atomic Energy Industrial Labs	Houston,	TX
0501	Baltimore Gas & Electric Company	Lusby,	MD
0260	BASF Styropor Technical Center	Jamesburg,	NJ
0288	Bentley Testing Laboratories	City of Industry	CA
0102	Butler Manufacturing Company	Grandview,	MO
0517	Carolina Power & Light Company	New Hill,	NC
0101	CertainTeed Corporation	Blue Bell,	PA
0108	Certified Testing Laboratories, Inc.	Dalton,	GA
0291	Champion International Corporation	West Nyack,	NY
0160	Chisholm Trail Testing and	Decatur,	TX
0120	Commercial Testing Company	Dalton,	GA
0541	Commonwealth Edison Company	Chicago,	IL
0272	Communication Certification Laboratory	Salt Lake City,	UT
0538	Consolidated Edison Co. of New York, Inc	Buchanan,	NY
0522	Consumers Power Company	Jackson,	MI
0277	Continental Testing Laboratories	Fern Park,	FL
0190	Coronet Carpets	Dalton,	GA
0243	Custom Coating, Inc.	Dalton,	GA
0276	D.L.S. Electronic Systems, Inc.	Glenview,	IL
0252	D/L Laboratories	New York,	NY
0270	Dash, Straus & Goodhue, Inc.	Boxborough,	MA
0529	Detroit Edison Company	Newport,	MI
0175	Dow Chemical U.S.A.	North Haven,	CT
0103	Dow Chemical USA, Foam Product	Granville,	OH
0505	Duke Power Company, Dosimetry Lab.	Huntersville,	NC
0521	Duquesne Light Company	Shippingport,	PA
0113	Dynatech R/D Company	Cambridge,	MA
0149	E & B Carpet Mills	Dalton,	GA
0278	Elite Electronic Engineering Company	Downers Grove,	IL
0268	EMACO, INC.	San Diego,	CA
0161	Engineering Testing Laboratory	Akron,	OH
0287	Engineers International, Inc.	Westmont,	IL
0115	Factory Mutual Research Corp.	Norwood,	MA
0544	Florida Power & Light Company	Juno Beach,	FL
0257	GAI Consultants, Inc.	Monroeville,	PA
0163	Galaxy Carpet Mills, Inc.	Chatsworth,	GA
0195	Garco Testing Laboratories	Salt Lake City,	UT
0141	Genstar Stone Products Company	Hunt Valley,	MD
0551	Georgia Power Company, Central Lab.	Smyrna,	GA
0142	Geoscience Ltd.	Solana Beach,	CA
0253	Gifford-Hill and Company, Inc.	DeSoto,	TX
0229	Gold Bond Building Products	Buffalo,	NY
0510	GPU Nuclear Corporation	Middletown,	PA
0513	Gulf Nuclear, Inc.	Webster,	TX
0534	Gulf States Utilities-River Bend Station	St. Francisville,	LA
0151	Hardwood Plywood	Reston,	VA
0247	Hollytex Carpet Mills, Inc.	Anadarko,	OK
0519	Houston Lighting & Power Company	Houston,	TX
0239	Hufcor Acoustical Laboratory	Janesville,	WI
0555	ICN Dosimetry Service	Costa Mesa,	CA
0166	Independent Textile Testing	Dalton,	GA
0210	Insta-Foam Products, Inc.	Joliet,	IL
0511	James A. Fitzpatrick Nuclear Power Plant	Lycoming,	NY

0111	Jim Walter Research Corp.	St. Petersburg,	FL
0156	Karastan-Bigelow	Summerville,	GA
0178	Karastan-Bigelow	Greenville,	SC
0248	Knauf Fiber Glass Research Laboratory	Shelbyville,	IN
0530	Louisiana Power and Light Company	Killona,	LA
0259	MacMillan Bloedel Inc.	Pine Hill,	AL
0503	Mallinckrodt Diagnostics, Inc.	Maryland Heights	MO
0123	Manville Corporation	Denver,	CO
0273	Met Electrical Testing Company, Inc.	Baltimore,	MD
0104	NAHB Research Foundation, Inc.	Upper Marlboro,	MD
0504	Naval Medical Command	Bethesda,	MD
0543	New Hampshire Yankee, Seabrook Station	Seabrook,	NH
0553	Niagara Mohawk	Lycoming,	NY
0269	Norand EMC Test Lab	Fairfax,	IA
0540	Northeast Utilities Service Company	Hartford,	CT
0244	Northwest Testing	Portland,	OR
0552	Nuclear Sources & Services, Inc.	Houston,	TX
0508	NY Power Authority, Indian Point	Buchanan,	NY
0525	Omaha Public Power District	Omaha,	NE
0240	OMNI Environmental Services, Inc.	Beaverton,	OR
0128	Owens-Corning Fiberglas Corp.	Delmar,	NY
0129	Owens-Corning Fiberglas Corp.	Newark,	OH
0130	Owens-Corning Fiberglas Corp.	Waxahachie,	TX
0109	Owens-Corning Fiberglas Corp.	Granville,	OH
0124	Owens-Corning Fiberglas Corp.	Santa Clara,	CA
0125	Owens-Corning Fiberglas Corp.	Fairburn,	GA
0126	Owens-Corning Fiberglas Corp	Kansas City,	KS
0537	Pacific Gas and Electric	Avila Beach,	CA
0279	Philippine Geoanalytics	Quezon City,	PHILLIPINES
0550	Portland General Electric Company	Rainier,	OR
0531	Public Service Electric and Gas Company	Hancocks Bridge,	NJ
0280	R & B Enterprises	West Conshohocken,	PA
0206	R. W. Sidley, Inc.	Thompson,	OH
0261	RADCO, Inc.	Gardena,	CA
0512	Radiation Detection Company	Sunnyvale,	CA
0267	RETLIF Testing Laboratories	Ronkonkoma,	NY
0232	Ritchie Laboratories	Wichita,	KS
0227	Riverbank Acoustical Laboratories	Geneva,	IL
0514	Rochester Gas & Electric Corp.	Ontario,	NY
0221	Salem Carpet Laboratory	Ringgold,	GA
0193	Shaw Industries	Dalton,	GA
0532	Siemens Gammasonics, Inc.	Des Plaines,	IL
0547	South Carolina Electric & Gas Company	Columbia,	SC
0506	Southern California Edison	San Clemente,	CA
0121	Sparrell Engineering	Damariscotta,	ME
0285	Spectrum Control, Inc.	Erie,	PA
0289	Sponge Cushion Inc.	Morris,	IL
0281	Standard T Chemical Technical Center	Chicago Heights,	IL
0251	State of CA, Bureau of Home Furnishings	North Highlands,	CA
0290	Stauffer Japan, Limited	Ibaraki,	JAPAN
0220	Stratton Laboratories	Cartersville,	GA
0233	STS Consultants, Ltd.	Fairfax,	VA
0191	STS Consultants, Ltd.	Northbrook,	IL
0546	System Energy Resources, Inc.	Port Gibson,	MS
0518	Tech/Ops Landauer Inc.	Glenwood,	IL
0122	Technical Micronics Control, Inc.	Huntsville,	AL
0533	Teledyne Isotopes	Westwood,	NJ
0516	Tennessee Valley Authority	Muscle Shoals,	AL
0274	Testmark Laboratories	Lexington,	KY
0196	Texas Testing Laboratories, Inc.	Dallas,	TX
0528	Texas Utilities Generating Company	Glen Rose,	TX
0258	The Celotex Corporation, Tracy Plant	Tracy,	CA
0131	The H. C. Nutting Company	Cincinnati,	OH
0154	The Arundel Corporation	Baltimore,	MD
0515	Thermo Electron Eberline Analytical	Albuquerque,	NM
0188	Twin City Testing and Engineering	St. Paul,	MN
0509	U.S. Naval Research Laboratory	Washington,	DC
0539	U.S. Army Radiation Dosimetry Center	Lexington,	KY
0116	Underwriters Laboratories Inc.	Northbrook,	IL

0117	Underwriters Laboratories Inc.	Santa Clara,	CA
0255	Underwriters Laboratories Inc.	Melville,	NY
0502	Union Electric Company	Fulton,	MO
0283	UNISYS - EMI Test Facility	Salt Lake City,	UT
0241	United States Testing Company, Inc.	Modesto,	CA
0105	United States Testing Company, Inc.	Fairfield,	NJ
0106	United States Testing Company, Inc.	Los Angeles,	CA
0557	United States Testing Co., Inc (UST-RD)	Richland,	WA
0107	United States Testing Company, Inc.	Tulsa,	OK
0266	United States Testing Company, Inc.	Hoboken,	NJ
0216	USG Corporation	Libertyville,	IL
0520	Virginia Electric & Power Company	Mineral,	VA
0523	Virginia Electric & Power Company	Surry,	VA
0230	Virginia Concrete Laboratory	Springfield,	VA
0250	W. R. Grace & Company	Cambridge,	MA
0176	W. R. Grace & Company	Cambridge,	MA
0545	Washington Public Power Supply System	Richland,	WA
0256	Western Electro-Acoustic	Santa Monica,	CA
0265	Weyerhaeuser Technology Center	Tacoma,	WA
0263	Whittaker Analytical Services	Colton,	CA
0526	Wolf Creek Nuclear Operating Corporation	Burlington,	KS
0197	World Carpets	Dalton,	GA
0524	Yankee Atomic Electric Company	Framingham,	MA

INDEX B. LISTING BY FIELD OF TESTING
(IN NVLAP LAB CODE ORDER)

acoustics

0111	Jim Walter Research Corporation	St. Petersburg,	FL
0123	Manville Corporation	Denver,	CO
0188	Twin City Testing Corporation	St. Paul,	MN
0227	Riverbank Acoustical Laboratories	Geneva,	IL
0228	Armstrong World Industries	Lancaster,	PA
0229	Gold Bond Building Products	Buffalo,	NY
0239	Hufcor Acoustical Laboratory	Janesville,	WI
0256	Western Electro-Acoustic	Santa Monica,	CA
0286	Acoustic Systems Acoustical Res Facility	Austin,	TX

carpet

0105	United States Testing Company, Inc.	Fairfield,	NJ
0106	United States Testing Company, Inc.	Los Angeles,	CA
0108	Certified Testing Laboratories, Inc.	Dalton,	GA
0115	Factory Mutual Research Corp.	Norwood,	MA
0120	Commercial Testing Company	Dalton,	GA
0139	American Carpet Laboratories, Inc.	Ringgold,	GA
0149	E & B Carpet Mills	Dalton,	GA
0151	Hardwood Plywood	Reston,	VA
0156	Karastan-Bigelow	Summerville,	GA
0160	Chisholm Trail Testing and	Decatur,	TX
0163	Galaxy Carpet Mills, Inc.	Chatsworth,	GA
0166	Independent Textile Testing	Dalton,	GA
0178	Karastan/Bigelow	Greenville,	SC
0190	Coronet Carpets	Dalton,	GA
0193	Shaw Industries	Dalton,	GA
0197	World Carpets	Dalton,	GA
0220	Stratton Laboratories	Cartersville,	GA
0221	Salem Carpet Laboratory	Ringgold,	GA
0243	Custom Coating, Inc.	Dalton,	GA
0247	Hollytex Carpet Mills, Inc.	Anadarko,	OK
0288	Bentley Testing Laboratories	City of Industry	CA
0289	Sponge Cushion Inc.	Morris,	IL

commercial products

0252	D/L Laboratories	New York,	NY
0259	MacMillan Bloedel Inc.	Pine Hill,	AL
0263	Whittaker Analytical Services	Colton,	CA
0265	Weyerhaeuser Technology Center	Tacoma,	WA
0266	United States Testing Company, Inc.	Hoboken,	NJ
0281	Standard T Chemical Technical Center	Chicago Heights,	IL
0291	Champion International Corporation	West Nyack,	NY

construction testing services

0131	The H. C. Nutting Company	Cincinnati,	OH
0135	Aguirre Engineers, Inc.	Englewood,	CO
0141	Genstar Stone Products Company	Hunt Valley,	MD
0146	American Testing	Lancaster,	PA
0154	The Arundel Corporation	Baltimore,	MD
0161	Engineering Testing Laboratory	Akron,	OH
0176	W. R. Grace & Company	Cambridge,	MA
0177	Atlantic Testing Laboratories, Limited	Cicero,	NY
0183	Pittsburg Testing Lab	Hillside,	IL
0188	Twin City Testing Corp.	St. Paul,	MN
0191	STS Consultants, Ltd.	Northbrook,	IL
0195	Garco Testing Laboratories	Salt Lake City,	UT
0196	Texas Testing Laboratories, Inc.	Dallas,	TX
0206	R. W. Sidley, Inc.	Thompson,	OH
0230	Virginia Concrete Laboratory	Springfield,	VA
0232	Ritchie Laboratories	Wichita,	KS
0233	STS Consultants, Ltd.	Fairfax,	VA
0241	United States Testing Company, Inc.	Modesto,	CA
0253	Gifford-Hill and Company, Inc.	DeSoto,	TX
0257	GAI Consultants, Inc.	Monroeville,	PA
0279	Philippine Geosynthetics	Quezon City	PHILLIPINES
0287	Engineers International, Inc.	Westmont,	IL

personal radiation dosimetry

0501	Baltimore Gas & Electric Company	Lusby,	MD
0502	Union Electric Company	Fulton,	MO
0503	Mallinckrodt Diagnostics, Inc.	Maryland Heights	MO
0504	Naval Medical Command	Bethesda,	MD
0505	Duke Power Company, Dosimetry Lab.	Huntersville,	NC
0506	Southern California Edison	San Clemente,	CA
0508	NY Power Authority, Indian Point	Buchanan,	NY
0509	U.S. Naval Research Laboratory	Washington,	DC
0510	GPU Nuclear Corporation	Middletown,	PA
0511	James A. Fitzpatrick Nuclear Power Plant	Lycoming,	NY
0512	Radiation Detection Company	Sunnyvale,	CA
0513	Gulf Nuclear, Inc.	Webster,	TX
0514	Rochester Gas & Electric Corp.	Ontario,	NY
0515	Thermo Electron Eberline Analytical	Albuquerque,	NM
0516	Tennessee Valley Authority	Muscle Shoals,	AL
0517	Carolina Power & Light Company	New Hill,	NC
0518	Tech/Ops Landauer Inc.	Glenwood,	IL
0519	Houston Lighting & Power Company	Houston,	TX
0520	Virginia Electric & Power Company	Mineral,	VA
0521	Duquesne Light Company	Shippingport,	PA
0522	Consumers Power Company	Jackson,	MI
0523	Virginia Electric & Power Company	Surry,	VA
0524	Yankee Atomic Electric Company	Framingham,	MA
0525	Omaha Public Power District	Omaha,	NE
0526	Wolf Creek Nuclear Operating Corporation	Burlington,	KS
0528	Texas Utilities Generating Company	Glen Rose,	TX
0529	Detroit Edison Company	Newport,	MI
0530	Louisiana Power and Light Company	Killona,	LA
0531	Public Service Electric and Gas Company	Hancocks Bridge,	NJ
0532	Siemens Gammasonics, Inc.	Des Plaines,	IL
0533	Teledyne Isotopes	Westwood,	NJ
0534	Gulf States Utilities-River Bend Station	St. Francisville,	LA

0536	Arizona Nuclear Power Project-PVNGS	Phoenix,	AZ
0537	Pacific Gas and Electric	Avila Beach,	CA
0538	Consolidated Edison Co. of New York, Inc	Buchanan,	NY
0539	U.S. Army Radiation Dosimetry Center	Lexington,	KY
0540	Northeast Utilities Service Company	Hartford,	CT
0541	Commonwealth Edison Company	Chicago,	IL
0542	Arizona State University	Tempe,	AZ
0543	New Hampshire Yankee, Seabrook Station	Seabrook,	NH
0544	Florida Power & Light Company	Juno Beach,	FL
0545	Washington Public Power Supply System	Richland,	WA
0546	System Energy Resources, Inc.	Port Gibson,	MS
0547	South Carolina Electric & Gas Company	Columbia,	SC
0550	Portland General Electric Company	Rainier,	OR
0551	Georgia Power Company, Central Lab.	Smyrna,	GA
0552	Nuclear Sources & Services, Inc.	Houston,	TX
0553	Niagara Mohawk	Lycoming,	NY
0555	ICN Dosimetry Service	Costa Mesa,	CA
0556	Atomic Energy Industrial Labs	Houston,	TX
0557	United States Testing Co., Inc (UST-RD)	Richland,	WA

electromagnetics

0255	Underwriters Laboratories Inc.	Melville,	NY
0267	RETLIF Testing Laboratories	Ronkonkoma,	NY
0268	EMACO, INC.	San Diego,	CA
0269	Norand EMC Test Lab	Fairfax,	IA
0270	Dash, Straus & Goodhue, Inc.	Boxborough,	MA
0271	Amador Corporation	Taylor's Falls,	MN
0272	Communication Certification Laboratory	Salt Lake City,	UT
0273	Met Electrical Testing Company, Inc.	Baltimore,	MD
0274	Testmark Laboratories	Lexington,	KY
0275	AT&T Information Systems EMC Laboratory	Holmdel,	NJ
0276	D.L.S. Electronic Systems, Inc.	Glenview,	IL
0277	Continental Testing Laboratories	Fern Park,	FL
0278	Elite Electronic Engineering Company	Downers Grove,	IL
0280	R & B Enterprises	West Conshohocken,	PA
0283	UNISYS - EMI Test Facility	Salt Lake City,	UT
0285	Spectrum Control, Inc.	Erie,	PA
0290	Stauffer Japan, Limited	Ibaraki,	JAPAN

stove

0116	Underwriters Laboratories Inc.	Northbrook,	IL
0117	Underwriters Laboratories Inc.	Santa Clara,	CA
0240	OMNI Environmental Services, Inc.	Beaverton,	OR
0244	Northwest Testing	Portland,	OR

thermal insulation

0101	CertainTeed Corporation	Blue Bell,	PA
0102	Butler Manufacturing Company	Grandview,	MO
0103	Dow Chemical USA, Foam Product	Granville,	OH
0104	NAHB Research Foundation, Inc.	Upper Marlboro,	MD
0105	United States Testing Company, Inc.	Fairfield,	NJ
0106	United States Testing Company, Inc.	Los Angeles,	CA
0107	United States Testing Company, Inc.	Tulsa,	OK
0109	Owens-Corning Fiberglas Corp.	Granville,	OH
0111	Jim Walter Research Corp.	St. Petersburg,	FL
0113	Dynatech R/D Company	Cambridge,	MA
0115	Factory Mutual Research Corp.	Norwood,	MA
0116	Underwriters Laboratories Inc.	Northbrook,	IL
0117	Underwriters Laboratories Inc.	Santa Clara,	CA
0120	Commercial Testing Company	Dalton,	GA
0121	Sparrell Engineering	Damariscotta,	ME
0122	Technical Micronics Control, Inc.	Huntsville,	AL
0123	Manville Corporation	Denver,	CO
0124	Owens-Corning Fiberglas Corp.	Santa Clara,	CA
0125	Owens-Corning Fiberglas Corp.	Fairburn,	GA
0126	Owens-Corning Fiberglas Corp	Kansas City,	KS

0128	Owens-Corning Fiberglas Corp.	Delmar,	NY
0129	Owens-Corning Fiberglas Corp.	Newark,	OH
0130	Owens-Corning Fiberglas Corp.	Waxahachie,	TX
0142	Geoscience Ltd.	Solana Beach,	CA
0175	Dow Chemical U.S.A.	North Haven,	CT
0188	Twin City Testing and Engineering	St. Paul,	MN
0210	Insta-Foam Products, Inc.	Joliet,	IL
0216	USG Corporation	Libertyville,	IL
0248	Knauf Fiber Glass Research Laboratory	Shelbyville,	IN
0250	W. R. Grace & Company	Cambridge,	MA
0251	State of CA, Bureau of Home Furnishings	North Highlands,	CA
0258	The Celotex Corporation, Tracy Plant	Tracy,	CA
0260	BASF Styropor Technical Center	Jamesburg,	NJ
0261	RADCO, Inc.	Gardena,	CA
0282	Architectural Testing Inc.	York,	PA
0284	Amoco Foam Products Company	Smyrna,	GA

INDEX C. LISTING BY STATE

0259	MacMillan Bloedel Inc.	Pine Hill,	AL
0122	Technical Micronics Control, Inc.	Huntsville,	AL
0516	Tennessee Valley Authority	Muscle Shoals,	AL
0536	Arizona Nuclear Power Project-PVNGS	Phoenix,	AZ
0542	Arizona State University	Tempe,	AZ
0288	Bentley Testing Laboratories	City of Industry	CA
0268	EMACO, INC.	San Diego,	CA
0142	Geoscience Ltd.	Solana Beach,	CA
0555	ICN Dosimetry Service	Costa Mesa,	CA
0124	Owens-Corning Fiberglas Corp.	Santa Clara,	CA
0537	Pacific Gas and Electric	Avila Beach,	CA
0261	RADCO, Inc.	Gardena,	CA
0512	Radiation Detection Company	Sunnyvale,	CA
0506	Southern California Edison	San Clemente,	CA
0251	State of CA, Bureau of Home Furnishings	North Highlands,	CA
0258	The Celotex Corporation, Tracy Plant	Tracy,	CA
0117	Underwriters Laboratories Inc.	Santa Clara,	CA
0241	United States Testing Company, Inc.	Modesto,	CA
0106	United States Testing Company, Inc.	Los Angeles,	CA
0256	Western Electro-Acoustic	Santa Monica,	CA
0263	Whittaker Analytical Services	Colton,	CA
0135	Aguirre Engineers, Inc.	Englewood,	CO
0123	Manville Corporation	Denver,	CO
0175	Dow Chemical U.S.A.	North Haven,	CT
0540	Northeast Utilities Service Company	Hartford,	CT
0509	U.S. Naval Research Laboratory	Washington,	DC
0277	Continental Testing Laboratories	Fern Park,	FL
0544	Florida Power & Light Company	Juno Beach,	FL
0111	Jim Walter Research Corp.	St. Petersburg,	FL
0139	American Carpet Laboratories, Inc.	Ringgold,	GA
0284	Amoco Foam Products Company	Smyrna,	GA
0108	Certified Testing Laboratories, Inc.	Dalton,	GA
0120	Commercial Testing Company	Dalton,	GA
0190	Coronet Carpets	Dalton,	GA
0243	Custom Coating, Inc.	Dalton,	GA
0149	E & B Carpet Mills	Dalton,	GA
0163	Galaxy Carpet Mills, Inc.	Chatsworth,	GA
0551	Georgia Power Company, Central Lab.	Smyrna,	GA
0166	Independent Textile Testing	Dalton,	GA
0156	Karastan-Bigelow	Summerville,	GA
0125	Owens-Corning Fiberglas Corp.	Fairburn,	GA
0221	Salem Carpet Laboratory	Ringgold,	GA
0193	Shaw Industries	Dalton,	GA
0220	Stratton Laboratories	Cartersville,	GA
0197	World Carpets	Dalton,	GA
0269	Norand EMC Test Lab	Fairfax,	IA
0541	Commonwealth Edison Company	Chicago,	IL

0276	D.L.S. Electronic Systems, Inc.	Glenview,	IL
0278	Elite Electronic Engineering Company	Downers Grove,	IL
0287	Engineers International, Inc.	Westmont,	IL
0210	Insta-Foam Products, Inc.	Joliet,	IL
0227	Riverbank Acoustical Laboratories	Geneva,	IL
0532	Siemens Gammasonics, Inc.	Des Plaines,	IL
0289	Sponge Cushion Inc.	Morris,	IL
0281	Standard T Chemical Technical Center	Chicago Heights,	IL
0191	STS Consultants, Ltd.	Northbrook,	IL
0518	Tech/Ops Landauer Inc.	Glenwood,	IL
0116	Underwriters Laboratories Inc.	Northbrook,	IL
0216	USG Corporation	Libertyville,	IL
0248	Knauf Fiber Glass Research Laboratory	Shelbyville,	IN
0126	Owens-Corning Fiberglas Corp	Kansas City,	KS
0232	Ritchie Laboratories	Wichita,	KS
0526	Wolf Creek Nuclear Operating Corporation	Burlington,	KS
0274	Testmark Laboratories	Lexington,	KY
0539	U.S. Army Radiation Dosimetry Center	Lexington,	KY
0534	Gulf States Utilities-River Bend Station	St. Francisville,	LA
0530	Louisiana Power and Light Company	Killona,	LA
0270	Dash, Straus & Goodhue, Inc.	Boxborough,	MA
0113	Dynatech R/D Company	Cambridge,	MA
0115	Factory Mutual Research Corp.	Norwood,	MA
0176	W. R. Grace & Company	Cambridge,	MA
0250	W. R. Grace & Company	Cambridge,	MA
0524	Yankee Atomic Electric Company	Framingham,	MA
0501	Baltimore Gas & Electric Company	Lusby,	MD
0141	Genstar Stone Products Company	Hunt Valley,	MD
0273	Met Electrical Testing Company, Inc.	Baltimore,	MD
0104	NAHB Research Foundation, Inc.	Upper Marlboro,	MD
0504	Naval Medical Command	Bethesda,	MD
0154	The Arundel Corporation	Baltimore,	MD
0121	Sparrell Engineering	Damariscotta,	ME
0522	Consumers Power Company	Jackson,	MI
0529	Detroit Edison Company	Newport,	MI
0271	Amador Corporation	Taylors Falls,	MN
0188	Twin City Testing and Engineering	St. Paul,	MN
0102	Butler Manufacturing Company	Grandview,	MO
0503	Mallinckrodt Diagnostics, Inc.	Maryland Heights	MO
0502	Union Electric Company	Fulton,	MO
0546	System Energy Resources, Inc.	Port Gibson,	MS
0517	Carolina Power & Light Company	New Hill,	NC
0505	Duke Power Company, Dosimetry Lab.	Huntersville,	NC
0525	Omaha Public Power District	Omaha,	NE
0543	New Hampshire Yankee, Seabrook Station	Seabrook,	NH
0275	AT&T Information Systems EMC Laboratory	Holmdel,	NJ
0260	BASF Styropor Technical Center	Jamesburg,	NJ
0531	Public Service Electric and Gas Company	Hancocks Bridge,	NJ
0533	Teledyne Isotopes	Westwood,	NJ
0105	United States Testing Company, Inc.	Fairfield,	NJ
0266	United States Testing Company, Inc.	Hoboken,	NJ
0515	Thermo Electron Eberline Analytical	Albuquerque,	NM
0177	Atlantic Testing Laboratories, Limited	Cicero,	NY
0291	Champion International Corporation	West Nyack,	NY
0538	Consolidated Edison Co. of New York, Inc	Buchanan,	NY
0252	D/L Laboratories	New York,	NY
0229	Gold Bond Building Products	Buffalo,	NY
0511	James A. Fitzpatrick Nuclear Power Plant	Lycoming,	NY
0553	Niagara Mohawk	Lycoming,	NY
0508	NY Power Authority, Indian Point	Buchanan,	NY
0128	Owens-Corning Fiberglas Corp.	Delmar,	NY
0267	RETLIF Testing Laboratories	Ronkonkoma,	NY
0514	Rochester Gas & Electric Corp.	Ontario,	NY
0255	Underwriters Laboratories Inc.	Melville,	NY
0103	Dow Chemical USA, Foam Product	Granville,	OH
0161	Engineering Testing Laboratory	Akron,	OH
0129	Owens-Corning Fiberglas Corp.	Newark,	OH
0109	Owens-Corning Fiberglas Corp.	Granville,	OH
0206	R. W. Sidley, Inc.	Thompson,	OH

0131	The H. C. Nutting Company	Cincinnati,	OH
0247	Hollytex Carpet Mills, Inc.	Anadarko,	OK
0107	United States Testing Company, Inc.	Tulsa,	OK
0244	Northwest Testing	Portland,	OR
0240	OMNI Environmental Services, Inc.	Beaverton,	OR
0550	Portland General Electric Company	Rainier,	OR
0146	American Testing	Lancaster,	PA
0282	Architectural Testing Inc.	York,	PA
0228	Armstrong World Industries	Lancaster,	PA
0101	CertainTeed Corporation	Blue Bell,	PA
0521	Duquesne Light Company	Shippingport,	PA
0257	GAI Consultants, Inc.	Monroeville,	PA
0510	GPU Nuclear Corporation	Middletown,	PA
0280	R & B Enterprises	West Conshohocken,	PA
0285	Spectrum Control, Inc.	Erie,	PA
0178	Karastan/Bigelow	Greenville,	SC
0547	South Carolina Electric & Gas Company	Columbia,	SC
0286	Acoustic Systems Acoustical Res Facility	Austin,	TX
0556	Atomic Energy Industrial Labs	Houston,	TX
0160	Chisholm Trail Testing and	Decatur,	TX
0253	Gifford-Hill and Company, Inc.	DeSoto,	TX
0513	Gulf Nuclear, Inc.	Webster,	TX
0519	Houston Lighting & Power Company	Houston,	TX
0552	Nuclear Sources & Services, Inc.	Houston,	TX
0130	Owens-Corning Fiberglas Corp.	Waxahachie,	TX
0196	Texas Testing Laboratories, Inc.	Dallas,	TX
0528	Texas Utilities Generating Company	Glen Rose,	TX
0272	Communication Certification Laboratory	Salt Lake City,	UT
0195	Garco Testing Laboratories	Salt Lake City,	UT
0283	UNISYS - EMI Test Facility	Salt Lake City,	UT
0151	Hardwood Plywood	Reston,	VA
0233	STS Consultants, Ltd.	Fairfax,	VA
0520	Virginia Electric & Power Company	Mineral,	VA
0523	Virginia Electric & Power Company	Surry,	VA
0230	Virginia Concrete Laboratory	Springfield,	VA
0557	United States Testing Co., Inc (UST-RD)	Richland,	WA
0545	Washington Public Power Supply System	Richland,	WA
0265	Weyerhaeuser Technology Center	Tacoma,	WA
0239	Hufcor Acoustical Laboratory	Janesville,	WI

FOREIGN LABORATORIES

0279	Philippine Geoanalytics	Quezon City,	PHILLIPINES
0290	Stauffer Japan, Limited	Ibaraki,	JAPAN

INDEX D. SUMMARY OF ACCREDITED LABORATORIES BY TEST METHODS AND FIELD OF TESTING

NVLAP Test Method Code Number - 01/

14

NVLAP Test Method
Code Number - 12/[illegible]

NVLAP Lab Code
0255
0267
0268
0269
0270
0271
0272
0273
0274
0275
0276
0277
0278
0280
0283
0285
0290

NVLAP Test Method Code Number - 04/

NVLAP	
Lab	
Code	
	0116
	0117
	0240
	0244
	0249

NVLAP Test Method Code Number - 08/

NVLAP Lab Code	
0111	
0123	
0188	
0227	
0228	
0229	
0239	
0256	
0286	

NVLAP Test Method Code Number - 09/

NVLAP	
Lab	
Code	
	0259
	0265
	0291

--01/--

NVLAP	
Lab	
Code	
	0259
	0265
	0291

NVLAP Test Method Code Number - 13/

NVLAP
Lab
Code 0252

NVLAP Test Method Code - 09/

[illegible][illegible]

DOSIMETRY

NVLAP Lab Code	ANSI N13.11 Categories (see note)								NVLAP Lab Code	ANSI N13.11 Categories (see note)							
	I	II	III	IV	V	VI	VII	VIII		I	II	III	IV	V	VI	VII	VIII
0501	o								0540								
0502									0541	o	o	o	o	o	o	o	o
0503									0542								
0504									0543	o	o	o	o	o	o	o	o
0505									0544	o	o	o	o	o	o	o	o
0506									0545	o	o	o	o	o	o	o	o
0508	o								0501	o	o	o	o	o	o	o	o
0509									0502								
0510									0503								
0511									0546	o	o	o	o	o	o	o	o
0512									0547	o	o	o	o	o	o	o	o
0513									0550								
0514									0551	o	o	o	o	o	o	o	o
0515									0552								
0516									0553	o	o	o	o	o	o	o	o
0517									0555	o	o	o	o	o	o	o	o
0518									0556	o	o	o	o	o	o	o	o
0519									0557								
0520																	
0521	o																
0522																	
0523																	
0524	o																
0525																	
0526																	
0528																	
0529	o																
0530																	
0531																	
0532	o																
0533																	
0534																	
0536	o																
0537																	
0538																	
0539	o																

Note: Processors may be accredited for more than one dosimeter type. See the Scope of Accreditation for each processor in Index E. for details.

E. ACCREDITED LABORATORIES AND TEST METHODS FOR WHICH THEY ARE ACCREDITED
LISTED IN NVLAP LAB CODE ORDER

(Copies of referenced test methods may be obtained from standards-writing organizations responsible for their development and maintenance.)

NVLAP LAB CODE 0101

CERTAINTED CORPORATION
INSULATION GROUP, R & D LABORATORY
1400 Union Meeting Road, Blue Bell, PA 19422
Dr. W. Francis Olix Phone: 215-341-6713

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/C02	16 CFR-Part 1209.5
01/C03	California Energy Commission tests for insulating materials: Corrosiveness - Mineral fiber blankets and loose-fill
01/D01	ASTM C136
01/D02	ASTM C167
01/D08	ASTM C302
01/D09	ASTM C303
01/D13	ASTM C519
01/D24	ASTM C739 (Sec. 12)
01/D26	16 CFR-Part 1209.4
01/F01	TAPPI T461
01/F05	ASTM E136
01/F07	16 CFR-Part 1209.6
01/F08	16 CFR-Part
01/S01	ASTM C165
01/S08	ASTM C446
01/S09	ASTM D781
01/S10	ASTM D828
01/S12	California Energy Commission tests for insulating materials: Bond strength - Spray applied cellulose
01/T01	ASTM C177
01/T04	ASTM C236
01/T05	ASTM C335
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687
01/V04	ASTM E96

NVLAP LAB CODE 0102

BUTLER MANUFACTURING COMPANY
RESEARCH CENTER
135th Street and Botts Road
Grandview, MO 64030
Norman A. Bellem Phone: 816-763-3022

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/T04	ASTM C236
01/T06	ASTM C518

NVLAP LAB CODE 0103

DOW CHEMICAL USA, FOAM PRODUCTS RESEARCH
PRODUCT EVALUATION GROUP
P.O. Box 515, Granville, OH 43023
Michael J. Ennis Phone: 614-587-4215

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D07	ASTM C272
01/D18	ASTM D1622
01/D21	ASTM D2126 (proc. E)
01/D23	ASTM D2842
01/D27	ASTM D2126 (proc. C)
01/S02	ASTM C203
01/S07	ASTM C273
01/S11	ASTM D1621
01/T06	ASTM C518
01/V04	ASTM E96

NVLAP LAB CODE 0104

NAHB NATIONAL RESEARCH CENTER
400 Prince Georges Center Boulevard
Upper Marlboro, MD 20772
Hugh D. Angleton Phone: 301-249-4000

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/D13	ASTM C519
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687

NVLAP LAB CODE 0105

UNITED STATES TESTING COMPANY, INC.
291 Fairfield Avenue, Fairfield, NJ 07006
Rudolph Giglio Phone: 201-575-5252

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/F02	ASTM E84
01/F07	16 CFR-Part 1209.6
01/T06	ASTM C518
03/F01	ASTM E84
03/F04	ASTM E648

NVLAP LAB CODE 0106

UNITED STATES TESTING COMPANY, INC.
CALIFORNIA DIVISION
5555 Telegraph Road, Los Angeles, CA 90040
Bernd Givon Phone: 213-723-7181

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/C02	16 CFR-Part 1209.5
01/D27	ASTM D2126 (proc. C)
01/D28	ASTM D2126 (proc. G)
01/F02	ASTM E84
01/T01	ASTM C177
01/V04	ASTM E96
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418

03/F01 ASTM E84
 03/F03 16 CFR Part 1630 Sec.1630.4
 03/F04 ASTM E648
 03/F05 ASTM E662
 03/S01 ASTM D1335
 03/S03 ASTM D2646 Sec. 7

NVLAP LAB CODE 0107

UNITED STATES TESTING COMPANY, INC.
 TULSA DIVISION
 1341 North 108th East Avenue, Tulsa, OK 74116
 Fred D. Wampnar Phone: 918-437-8333

Accreditation Renewal Date: January 1, 1989

NVLAP Code	Designation
01/C02	16 CFR-Part 1209.5 (Formerly HH-I-515, Part 4.8.5)
01/D18	ASTM D1622
01/D26	16 CFR-Part 1209.4 (Formerly HH-I-515, Part 4.8.1)
01/F08	16 CFR-Part 1209.7 (Formerly HH-I-515, Part 4.8.8)
01/V04	ASTM E96
01/V05	ASTM C739 (sec.11) (Formerly HH-I-515, Part 4.8.6)
01/V06	ASTM C739 (sec. 15) (Formerly HH-I-515, Part 4.8.9)

NVLAP LAB CODE 0108

CERTIFIED TESTING LABORATORIES, INC.
 1105 Riverbend Drive
 P.O. Box 2041
 Dalton, GA 30722
 John H. Frank Phone: 404-226-1400

Accreditation Renewal Date: January 1, 1989

NVLAP Code	Designation
03/B01	UM44d (Table 5)
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/E01	AATCC 134/CRI 102
03/F03	16 CFR Part 1630.4 (FF 1-70)
03/F04	ASTM E648
03/F05	ASTM E662
03/S01	ASTM D1335
03/S02	ASTM D2646, sec. 7.
03/S03	ASTM D3936

NVLAP LAB CODE 0109

OWENS-CORNING FIBERGLAS CORPORATION
 TECHNICAL CENTER LABORATORY
 P.O. Box 415, Route 16, Granville, OH 43023
 William M. Edmunds Phone: 614-587-7024

Accreditation Renewal Date: January 1, 1989

NVLAP Code	Designation
01/C01	ASTM C739 (sec. 9)
01/C03	California Energy Commission tests for insulating materials: Corrosiveness
01/D01	ASTM C136
01/D02	ASTM C167
01/D03	ASTM C209 (sec. 6)
01/D04	ASTM C209 (sec. 13)
01/D05	ASTM C209 (sec. 13) by D1037 (sec. 100-106)
01/D06	ASTM C209 (sec. 14) by D1037 (sec. 107-110)
01/D07	ASTM C272
01/D08	ASTM C302
01/D09	ASTM C303
01/D11	ASTM C356
01/D12	ASTM C411
01/D13	ASTM C519
01/D15	ASTM D756 (proc. A)
01/D16	ASTM D756 (proc. B)
01/D17	ASTM D756 (proc. E)
01/D18	ASTM D1622
01/D19	ASTM D2126 (proc. B)
01/D20	ASTM D2126 (proc. D)
01/D21	ASTM D2126 (proc. E)
01/D22	ASTM D2126 (proc. F)
01/D23	ASTM D2842
01/D24	ASTM C739 (sec. 12)
01/D27	ASTM D2126 (proc. C)
01/D28	ASTM D2126 (proc. G)
01/D29	California Energy Commission tests for insulating materials: Installed compressed thickness
01/F02	ASTM E84
01/F05	ASTM E136
01/F07	16 CFR-Part 1209.6 (Formerly HH-I-515, Part 4.8.7)
01/F08	16 CFR-Part 1209.7 (Formerly HH-I-515, Part 4.8.8)
01/S01	ASTM C165
01/S02	ASTM C203
01/S03	ASTM C209 (sec.9)
01/S04	ASTM C209 (sec. 10)
01/S05	ASTM C209 (sec. 11)
01/S06	ASTM C209 (sec. 12)
01/S07	ASTM C273
01/S08	ASTM C446
01/S09	ASTM D781
01/S10	ASTM D828
01/S11	ASTM D1621
01/T01	ASTM C177
01/T05	ASTM C335
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687
01/V03	TAPPI T487
01/V04	ASTM E96
01/V05	ASTM C739 (sec. 11) (Formerly HH-I-515, Part 4.8.6)
01/V06	ASTM C739 (sec. 15) (Formerly HH-I-515, Part 4.8.9)

NVLAP LAB CODE 0111

JIM WALTER RESEARCH CORPORATION
 10301 9th Street North, St. Petersburg, FL 33716
 John E. Sheridan Phone: 813-576-4171

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D04	ASTM C209 (sec. 13)
01/D05	ASTM C209 (sec. 13) by D1037 (sec. 100-106)
01/D07	ASTM C272
01/D18	ASTM D1622
01/D20	ASTM D2126 (proc. D)
01/D21	ASTM D2126 (proc. E)
01/D28	ASTM D2126 (proc. G)
01/F02	ASTM E84
01/S02	ASTM C203
01/S11	ASTM D1621 (proc. A-Crosshead)
01/T01	ASTM C177
01/T04	ASTM C236
01/T06	ASTM C518
01/V04	ASTM E96 (proc. A)
08/P03	ASTM C423
08/P06	ASTM E90
08/E21	AMA-1-II

NVLAP LAB CODE 0113

DYNATECH SCIENTIFIC, INC.
99 Erie Street, Cambridge, MA 02139
Andre O. Desjarlais Phone: 617-868-8050

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/T01	ASTM C177
01/T04	ASTM C236
01/T05	ASTM C335
01/T06	ASTM C518

NVLAP LAB CODE 0115

FACTORY MUTUAL RESEARCH CORPORATION
1151 Boston-Providence Turnpike
Norwood, MA 02062
William F. Maroni Phone: 617-762-4300

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/C02	16 CFR-Part 1209.5 (Formerly HH-I-515, part 4.8.5)
01/D24	ASTM C739 (sec. 12)
01/D26	16 CFR-Part 1209.4 (Formerly HH-I-515, part 4.8.1)
01/F02	ASTM E84
01/F07	16 CFR-Part 1209.6 (Formerly HH-I-515, part 4.8.7)
01/F08	16 CFR-Part 1209.7 (Formerly HH-I-515, part 4.8.8)
01/V06	ASTM C739 (sec. 15) (Formerly HH-I-515, part 4.8.9)
03/F01	ASTM E84
03/F04	ASTM E648

NVLAP LAB CODE 0116

UNDERWRITERS LABORATORIES INC.
333 Pfingsten Road, Northbrook, IL 60062
Steve Mazzoni Phone: 312-272-8800

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/C01	ASTM C739 (sec. 9)
01/C02	16 CFR-Part 1209.5
01/D01	ASTM C136
01/D13	ASTM C519
01/D14	ASTM C520
01/D24	ASTM C739 (sec. 12)
01/D26	16 CFR-Part 1209.4 (Formerly HH-I-515, part 4.8.1)
01/F02	ASTM E84
01/F07	16 CFR-Part 1209.6 (Formerly HH-I-515, part 4.8.7)
01/F08	16 CFR-Part 1209.7 (Formerly HH-I-515, part 4.8.8)
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687
01/V05	ASTM C739 (sec. 11) (Formerly HH-I-515, part 4.8.6)
01/V06	ASTM C739 (sec. 15) (Formerly HH-I-515, part 4.8.9)

PHYSICAL/FIRE TEST GROUP (04/F00)

<u>NVLAP Code</u>	UL 737	UL 1482
	5th Ed. 11/9/82	2nd Ed. 1/24/83
04/F01	8	8
04/F02	9	9
04/F04	11	11
04/F05		14
04/F06	12	12
04/F07	13	13
04/F08	15	16
04/F09	16	16
04/F10	14	15

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/F11	7.2
04/F12	7.3
04/F14	7.5
04/F16	7.6
04/F17	7.7
04/F18	7.12
04/F19	7.10
04/F20	7.11

MOBILE HOME TEST GROUP(04/M00)

<u>NVLAP Code</u>	UL 737	UL 1482
	5th Ed. 11/9/82	2nd Ed. 1/24/83
04/M01	17	17

04/M02	17	17
04/M03	17	17

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/M04	12
04/M05	12
04/M06	12

ELECTRICAL TEST GROUP (04/E00)

	UL 737 5th Ed. 11/9/82	UL 1482 2nd Ed. 1/24/83
NVLAP Code		
04/E01	33	33
04/E02	34	34
04/E03	35	35
04/E04	36	36
04/E05	38	38
04/E06	37	37
04/E07	39	39
04/E08	40	40

	CSA 22.2 No. 3 1979	CSA C 22. 2 No. 113 1982
04/E09	6.4	6.2
04/E10	6.4	6.2
04/E11	6.8	6.3
04/E12	6.5	6.3
04/E13	6.9	6.4

NVLAP LAB CODE 0117

UNDERWRITERS LABORATORIES INC.
SANTA CLARA, CALIFORNIA LABORATORY
1655 Scott Boulevard, Santa Clara, CA 95050
Joe Kubisz Phone: 408-985-2400

Accreditation Renewal Date: January 1, 1989

NVLAP Code	Designation
01/D13	ASTM C519
01/D26	16 CFR-Part 1209.4
01/F02	ASTM E84
01/F07	16 CFR-Part 1209.6
01/F08	16 CFR-Part 1209.7

PHYSICAL/FIRE TEST GROUP (04/F00)

	UL 737 5th Ed. 11/9/82	UL 1482 2nd Ed. 1/24/83
NVLAP Code		
04/F01	8	8
04/F02	9	9
04/F04	11	11
04/F05		14
04/F06	12	12
04/F07	13	13
04/F08	15	16
04/F09	16	16
04/F10	14	15

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/F11	7.2
04/F12	7.3
04/F14	7.5
04/F16	7.6
04/F17	7.7
04/F18	7.12
04/F19	7.10
04/F20	7.11

MOBILE HOME TEST GROUP(04/M00)

	UL 737 5th Ed. 11/9/82	UL 1482 2nd Ed. 1/24/83
NVLAP Code		
04/M01	17	17
04/M02	17	17
04/M03	17	17

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/M04	12
04/M05	12
04/M06	12

ELECTRICAL TEST GROUP (04/E00)

	UL 737 5th Ed. 11/9/82	UL 1482 2nd Ed. 1/24/83
NVLAP Code		
04/E01	33	33
04/E02	34	34
04/E03	35	35
04/E04	36	36
04/E05	38	38
04/E06	37	37
04/E07	39	39
04/E08	40	40

	CSA 22.2 No. 3 1979	CSA C 22. 2 No. 113 1982
04/E09	6.4	6.2
04/E10	6.4	6.2
04/E11	6.8	6.3
04/E12	6.5	6.3
04/E13	6.9	6.4

NVLAP LAB CODE 0120

COMMERCIAL TESTING COMPANY
1215 South Hamilton Street, P.O. Box 985
Dalton, GA 30720
Jonathan Jackson Phone: 404-278-3935

Accreditation Renewal Date: January 1, 1989

NVLAP Code	Designation
01/C02	16 CFR-Part 1209.5 (Formerly HH-I-515, Part 4.8.5)

01/D26 16 CFR-Part 1209.4
(Formerly HH-I-515, Part 4.8.1)
01/F07 16 CFR-Part 1209.6
(Formerly HH-I-515, Part 4.8.7)
01/F08 16 CFR-Part 1209.7
(Formerly HH-I-515, Part 4.8.8)
01/T06 ASTM C518
03/B01 UM44d (Table 5)
03/C01 AATCC 16E
03/C02 AATCC 8
03/D01 ASTM D418 (Section 8)
(Section 9)
(Sections 10 & 11)
(Section 13)
03/D02 DDD-C-95A
03/F01 ASTM E84
03/F03 16 CFR Part 1630 Sec.1630.4
03/F04 ASTM E648
03/F05 ASTM E662
03/S01 ASTM D1335
03/S02 ASTM D2646, sec. 7
03/S03 ASTM D3936

NVLAP LAB CODE 0121

SPARRELL ENGINEERING RESEARCH CORPORATION
34 Bristol Road, P.O. Box 130
Damariscotta, ME 04543
James K. Sparrell Phone: 207-563-3224

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/T01	ASTM C177
01/T04	ASTM C236
01/T06	ASTM C518

NVLAP LAB CODE 0122

TECHNICAL MICRONICS CONTROL, INC.
SCIENTIFIC SERVICES, INC.
P.O. Box 1330, 210 Wynn Drive
Huntsville, AL 35807
Ms. Bharathi Ujjani Phone: 205-837-4430

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/C02	16 CFR-Part 1209.5 (formerly HH-I-515, part 4.8.5)
01/D26	16 CFR-Part 1209.4 (formerly HH-I-515, part 4.8.1)
01/F07	16 CFR-Part 1209.6 (formerly HH-I-515, part 4.8.7)
01/F08	16 CFR-Part 1209.7 (formerly HH-I-515, part 4.8.8)
01/T06	ASTM C518
01/V05	ASTM C739 (sec.11) (formerly HH-I-515, part 4.8.6)

NVLAP LAB CODE 0123

MANVILLE CORPORATION, R & D CENTER
10100 W. Ute Avenue, Littleton, CO 80127
Richard Troyer Phone: 303-978-5312

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/D03	ASTM C209 (para. 6, 72 version)
01/D04	ASTM C209
01/D05	ASTM C209 (para 13, 72 version) by D1037 (para 100-106 in 78 version)
01/D06	ASTM C209 (para 14, 72 version) by D1037 (para 107-110 in 72 version)
01/D07	ASTM C272
01/D08	ASTM C302
01/D09	ASTM C303
01/D11	ASTM C356
01/D12	ASTM C411
01/D13	ASTM C519
01/F01	TAPPI T461
01/F02	ASTM E84
01/F05	ASTM E136
01/S01	ASTM C165 (proc. A)
01/S02	ASTM C203
01/S03	ASTM C209 (para 9, 72 version)
01/S04	ASTM C209 (para 10, 72 version)
01/S05	ASTM C209 (para 11, 72 version)
01/S06	ASTM C209 (para 12, 72 version)
01/S07	ASTM C273
01/S08	ASTM C446
01/S09	ASTM D781
01/S10	ASTM D828
01/S11	ASTM D1621 (proc. A-Crosshead)
01/T01	ASTM C177
01/T04	ASTM C236
01/T05	ASTM C335
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687
01/V04	ASTM E96 (proc. A)
08/P02	ANSI/ASTM C384
08/P03	ANSI/ASTM C423
08/P04	ASTM C522
08/P06	ANSI/ASTM E90

NVLAP LAB CODE 0124

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
Box 89, 960 Central Expressway
Santa Clara, CA 95052
J.P. Tetreault Phone: 408-727-3535

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/D09	ASTM C303
01/T06	ASTM C518

NVLAP LAB CODE 0125

OWENS-CORNING FIBERGLAS CORPORATION
 PLANT LABORATORY
 700 McLaren Road, Fairburn, GA 30213
 C. J. Jackson Phone: 404-969-2915

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/T06	ASTM C518

NVLAP LAB CODE 0126

OWENS-CORNING FIBERGLAS CORPORATION
 PLANT LABORATORY
 300 Sunshine Road, Kansas City, KS 66150
 G.D. Growcock Phone: 913-281-2811

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/T06	ASTM C518

NVLAP LAB CODE 0128

OWENS-CORNING FIBERGLAS CORPORATION
 PLANT LABORATORY
 P.O. Box 98, Delmar, NY 12054
 Peter J. Koska Phone: 518-439-9341

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/T06	ASTM C518

NVLAP LAB CODE 0129

OWENS-CORNING FIBERGLAS CORPORATION
 PLANT LABORATORY
 Case Avenue, Newark, OH 43055
 P. D. Shull Phone: 614-345-3441

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/D09	ASTM C303
01/T06	ASTM C518

NVLAP LAB CODE 0130

OWENS-CORNING FIBERGLAS CORPORATION
 PLANT LABORATORY
 P.O. Box 837, I-35 East, Waxahachie, TX 75165
 Mark Kwasowski Phone: 214-937-1340

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/D09	ASTM C303
01/T06	ASTM C518

NVLAP LAB CODE 0131

THE H. C. NUTTING COMPANY
 4120 Airport Road, P.O. Box C
 Cincinnati, OH 45226
 R. Jack Scott Phone: 513-321-5816

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
	ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0135

AGUIRRE ENGINEERS, INC.
 13276 East Fremont Place, Englewood, CO 80112
 Vukoslav E. Aguirre Phone: 303-799-8378

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
CONCRETE	
02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
	ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

<u>NVLAP Code</u>	<u>Designation</u>
AGGREGATES	
02/A03	ASTM C29
02/A04	ASTM C40
02/A05	ASTM C87
02/A06	ASTM C88
02/A07	ASTM C117
02/A08	ASTM C123
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131

02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75
02/A16	ASTM D2419

SOIL AND ROCK

02/L02	ASTM D422
02/L04	ASTM D698
02/L05	ASTM D854
02/L06	ASTM D1140
02/L07	ASTM D1556
02/L08	ASTM D1557
02/L10	ASTM D1883
02/L11	ASTM D2166
02/L13	ASTM D2216
02/L14	ASTM D2217
02/L21	ASTM D2434
02/L15	ASTM D2435
02/L16	ASTM D2487
02/L17	ASTM D2488
02/L22	ASTM D2850
02/L23	ASTM D2922
02/L24	ASTM D2974
02/L25	ASTM D3017
02/L18	ASTM D3080
02/L01	ASTM D4220
02/L27	ASTM D4253
02/L19	ASTM D4254
02/L20	ASTM D4318
02/M03	ASTM D140
02/M07	ASTM D546
02/M08	ASTM D979
02/M11	ASTM D1188
02/M12	ASTM D1559
02/M14	ASTM D1561
02/M19	ASTM D2172
02/A38	ASTM E329
02/A39	ASTM C1077

NVLAP LAB CODE 0139

AMERICAN CARPET LABORATORIES, INC.
111 West Nashville Street, P.O. Box 357
Ringgold, GA 30736
Michael D. Connell Phone: 404-935-5672

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/B01	UM44d (Table 5)
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/F03	16 CFR Part 1630 (FF 1-70) Sec.1630.4 Sec. 1630.4
03/F04	ASTM E648
03/F05	ASTM E662
03/S01	ASTM D1335 Standard 191-5100 191-5950
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0141

GENSTAR STONE PRODUCTS COMPANY
WHITE MARSH TECHNICAL CENTER
10300 Pulaski Highway, White Marsh, MD 21162
Roy K. Heaps Phone: 301-628-4064

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
CONCRETE	
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617
AGGREGATES	
02/A03	ASTM C29
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A15	ASTM D75
CEMENT	
02/A17	ASTM C109
02/A23	ASTM C185
02/A24	ASTM C186
02/A25	ASTM C188
02/A26	ASTM C191
02/A27	ASTM C204
02/A28	ASTM C227
02/A30	ASTM C266
02/A31	ASTM C305
02/A32	ASTM C430
02/A33	ASTM C452

NVLAP LAB CODE 0142

GEO SCIENCE LTD.
410 South Cedros Avenue, Solana Beach, CA 92075
Heinz F. Poppendiek Phone: 619-755-9396

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D08	ASTM C302
01/F05	ASTM E136
01/T01	ASTM C177
01/T04	ASTM C236

NVLAP LAB CODE 0146

AMERICAN TESTING LABORATORIES, INC.
Box 4014, 784 Flory Mill Road, Lancaster, PA 17604
John S. Kassees Phone: 717-569-0488

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0149

E & B CARPET MILLS
P.O. Box 2047
1020 Riverbend Dr., Dalton, GA 30720
Robert H. Davis Phone: 404-272-7783

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/F03	16 CFR Part 1630 (FF-1-70) Sec.1630.4
03/S01	ASTM D1335
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0151

HARDWOOD PLYWOOD MANUFACTURERS ASSOCIATION
1825 Michael Faraday Drive, Reston, VA 22090
Gary Gramp Phone: 703-435-2900

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/F01	ASTM E84
03/F04	ASTM E648

NVLAP LAB CODE 0154

THE ARUNDEL CORPORATION
GREENSPRING LABORATORY
6806 Greenspring Avenue, Baltimore, MD 21209
M. Joann Petillo Phone: 301-484-6022

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
CONCRETE	
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

<u>AGGREGATES</u>	
02/A03	ASTM C29
02/A04	ASTM C40
02/A05	ASTM C87
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75

NVLAP LAB CODE 0156

KARASTAN-BIGELOW
GEORGIA RUG MILL
Lyerly Street, Summerville, GA 30747
Ronnie B. Bishop Phone: 404-857-2421

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/B01	UM 44d (Table 5)
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/F03	16 CFR Part 1630 (FF-1-70) Sec.1630.4
03/S01	ASTM D1335
03/S03	ASTM D3936

NVLAP LAB CODE 0160

CHISHOLM TRAIL TESTING AND ENGINEERING COMPANY, INC.
302 South Miller Street, Decatur, TX 76234
James F. Rosendahl Phone: 817-627-5216

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/F03	16 CFR Part 1630 (FF-1-70) Sec.1630.4
03/S01	ASTM D1335
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0161

ENGINEERING TESTING LABORATORY
CITY OF AKRON
1420 Triplett Blvd, Bldg #2, Akron, OH 44306
Pawan K. Khaitan Phone: 216-375-2740

Accreditation Renewal Date: July 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
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02/G01 ASTM C31
 ASTM C172
 ASTM C143
 ASTM C138
 ASTM C231
 ASTM C173
 02/A01 ASTM C39
 02/A02 ASTM C617

NVLAP LAB CODE 0163

GALAXY CARPET MILLS, INC.
 GALAXY TESTING LABORATORY
 P.O. Box 800, Industrial Blvd., Chatsworth, GA
 30705
 Brad Britton Phone: 404-695-9611

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/F03	16 CFR Part 1630 (FF 1-70) Sec.1630.4
03/S01	ASTM D1335
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0166

INDEPENDENT TEXTILE TESTING SERVICE, INC.
 P.O. Box 1948
 1503 Murray Avenue, Dalton, GA 30722-1948
 Harry M. Fry Phone: 404-278-3013

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/B01	UM44d (Table 5)
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/E01	AATCC 134/CRI 102
03/F03	16 CFR Part 1630 (FF 1-70) Sec.1630.4
03/F04	ASTM E648
03/F05	ASTM E662
03/S01	ASTM D1335 Federal Test Method Standard 191-5100 191-5950
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0175

DOW CHEMICAL U.S.A
 410 Sackett Point Road
 P.O. Box 430, North Haven, CT 06473
 George Temme Phone: 203-287-3644

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/D21	ASTM D2126
01/D28	ASTM D2126
01/T06	ASTM C518

NVLAP LAB CODE 0176

W. R. GRACE & COMPANY
 CONSTRUCTION PRODUCTS DIVISION
 62 Whittemore Avenue, Cambridge, MA 02140
 Michael Dallaire Phone: 617-876-1400

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
CONCRETE	
02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
	ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

<u>NVLAP Code</u>	<u>Designation</u>
AGGREGATES	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A08	ASTM C123
02/A09	ASTM C127
02/A10	ASTM C128
02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75

<u>NVLAP Code</u>	<u>Designation</u>
CEMENT	
02/A17	ASTM C109
02/A19	ASTM C115
02/A21	ASTM C157
02/A23	ASTM C185
02/A25	ASTM C188
02/A26	ASTM C191
02/A27	ASTM C204
02/A28	ASTM C227
02/A30	ASTM C266
02/A31	ASTMC305
02/A32	ASTM C430

<u>NVLAP Code</u>	<u>Designation</u>
ADMIXTURES	
02/A35	ASTM C233

NVLAP LAB CODE 0177

ATLANTIC TESTING LABORATORIES, LIMITED
CICERO DIVISION
P.O. Box 356, Cicero, NY 13039
Niel Zuern Phone: 315-699-5281

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0178

KARASTAN/BIGELOW
TECHNICAL SERVICES
P.O. Box 3089, Greenville, SC 29602
Hamir D. Merchant Phone: 803-299-2630

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/B01	UM 44d (Table 5)
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/E01	AATCC 134/CRI 102
03/F03	16 CFR Part 1630 (FF-1-70) Sec.1630.4
03/F04	ASTM E648
03/F05	ASTM E662
03/S01	ASTM D1335
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0183

A & H/FLOOD ENGINEERING DIVISION, P.S.I., INC.
4421 Harrison Street, Hillside, IL 60162
Charles Siegert Phone: 312-449-0500

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0188

TWIN CITY TESTING AND ENGINEERING LABORATORY, INC.
662 Cromwell Avenue, St. Paul, MN 55114
Richard Stehly Phone: 612-645-3601

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D07	ASTM C272
01/D09	ASTM C303
01/D18	ASTM D1622
01/D21	ASTM D2126 (proc. E)
01/D27	ASTM D2126 (proc. C)
01/D28	ASTM D2126 (proc. G)
01/S02	ASTM C203
01/S11	ASTM D1621
01/T04	ASTM C236
01/V04	ASTM E96

CONCRETE

02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

AGGREGATES

02/A03	ASTM C29
02/A04	ASTM C40
02/A05	ASTM C87
02/A06	ASTM C88
02/A07	ASTM C117
02/A08	ASTM C123
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A13	ASTM C142
02/A14	ASTM C289
02/A15	ASTM D75
02/A16	ASTM D2419

SOIL AND ROCK

02/M01	ASTM D5
02/M02	ASTM D113
02/M03	ASTM D140
02/M07	ASTM 546
02/M08	ASTM D979
02/M10	ASTM D1075
02/M11	ASTM D1188
02/M12	ASTM D1559
02/M19	ASTM D2172

08/P03	ASTM C423
08/P06	ASTM E90
08/P11	ANSI S1.31-80
08/P12	ANSI S1.31-80

NVLAP LAB CODE 0190

CORONET INDUSTRIES
P.O. Box 1248, Cleveland Drive, Dalton, GA 30720
Winfred L. Jones Phone: 404-259-4511

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/D02	DDD-C-95A
03/F03	16 CFR Part 1630 (FF-1-70) Sec.1630.4
03/S01	ASTM D1335 Federal Test Method Standard 191-5100 191-5950
03/S02	ASTM D2646, sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0191

STS CONSULTANTS, LTD.
111 Pfingsten Road, Northbrook, IL 60062
Ronald E. Hutchens Phone: 312-272-6520

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
CONCRETE	
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

AGGREGATES

02/A03	ASTM C29
02/A04	ASTM C40
02/A05	ASTM C87
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A13	ASTM C142
02/A14	ASTM C289
02/A15	ASTM D75

GEOTEXTILES

02/L28	ASTM D4354
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SOIL AND ROCK

02/M08	ASTM D979
02/M12	ASTM D1559
02/M19	ASTM D2172

NVLAP LAB CODE 0193

SHAW INDUSTRIES, INC.
Technical Services Laboratory
P.O. Box 2128, Dalton, GA 30720
James Dennis Hart Phone: 404-278-3812

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/F03	16 CFR Part 1630 (FF-1-70) Sec.1630.4
03/F04	ASTM E648
03/S01	ASTM D1335
03/S02	ASTM D2646 Sec. 7
03/S03	ASTM D3936

NVLAP LAB CODE 0195

GARCO TESTING LABORATORIES
532 West 3560 South, Salt Lake City, UT 84107
Douglas L. Watson Phone: 801-266-4498

Accreditation Renewal Date: January 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0196

TEXAS TESTING LABORATORIES, INC.
1526 South Good-Latimer Expressway
P.O. Box 2144, Dallas, TX 75221
George W. Pluto Phone: 214-428-7481

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39

NVLAP LAB CODE 0197

WORLD CARPETS
QUALITY CONTROL PHYSICAL TESTING
One World Plaza, Dalton, GA 30720
Wayne Murdock Phone: 404-278-8000

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8

03/D01 ASTM D418
 03/F03 16 CFR Part 1630
 (FF 1-70) Sec.1630.4
 03/S01 ASTM D1335
 03/S02 ASTM D2646, sec. 7
 03/S03 ASTM D3936

NVLAP LAB CODE 0206

R. W. SIDLEY, INC.
 QUALITY CONTROL LABORATORY
 6900 Madison Road, Thompson, OH 44086
 Gregory M. Daderko Phone: 216-298-3232

Accreditation Renewal Date: January 1, 1989

NVLAP Code Designation

02/G01 ASTM C31
 ASTM C172
 ASTM C143
 ASTM C138
 ASTM C231
 ASTM C173
 02/A01 ASTM C39
 02/A02 ASTM C617

NVLAP LAB CODE 0210

INSTA-FOAM PRODUCTS, INC.
 1500 Cedarwood Drive, Joliet, IL 60435
 Pat Murray Phone: 815-741-6800

Accreditation Renewal Date: January 1, 1989

NVLAP Code Designation

01/D15 ASTM D756
 01/D16 ASTM D756
 01/D17 ASTM D756
 01/D18 ASTM D1622
 01/D20 ASTM D2126
 01/D22 ASTM D2126
 01/D23 ASTM D2842
 01/D27 ASTM D2126
 01/D28 ASTM D2126
 01/S11 ASTM D1621
 01/T06 ASTM C518
 01/V04 ASTM E96

NVLAP LAB CODE 0216

USG CORPORATION
 700 North Highway 45, Libertyville, IL 60048
 John Hansen Phone: 312-362-9797

Accreditation Renewal Date: July 1, 1988

NVLAP Code Designation

01/T06 ASTM C518

NVLAP LAB CODE 0220

STRATTON LABORATORIES
 P.O. Box 1007, Cartersville, GA 30120
 Jack R. Kilgore Phone: 404-382-9351

Accreditation Renewal Date: October 1, 1988

NVLAP Code Designation

03/F03 16 CFR Part 1630
 (FF 1-70) Sec.1630.4
 03/F04 ASTM E648
 03/S01 ASTM D1335
 03/S02 ASTM D2646, sec. 7
 03/S03 ASTM D3936

NVLAP LAB CODE 0221

SALEM CARPET LABORATORY
 P.O. Box 10, Ringgold, GA 30736
 Donald Morrison Phone: 404-935-2241

Accreditation Renewal Date: January 1, 1989

NVLAP Code Designation

03/C01 AATCC 16E
 03/C02 AATCC 8
 03/D01 ASTM D418
 03/F04 ASTM E648
 03/S01 ASTM D1335
 03/S02 ASTM D2646, sec. 7
 03/S03 ASTM D3936

NVLAP LAB CODE 0227

RIVERBANK ACOUSTICAL LABORATORIES
 P.O.Box 189
 1512 Batavia Avenue, Geneva, IL 60134
 John W. Kopec Phone: 312-232-0104

Accreditation Renewal Date: April 1, 1988

NVLAP Code Designation

08/P03 ASTM C423
 08/P05 ASTM C523
 08/P06 ASTM E90
 08/P07 ASTM E492
 08/P10 ANSI S1.31
 08/P17 ISO 3741
 08/E01 ANSI B71.1 (para. 9 and 21)

NVLAP LAB CODE 0228

ARMSTRONG WORLD INDUSTRIES
 TECHNICAL CENTER, ACOUSTICS LABORATORY
 2500 Columbia Avenue
 P.O.Box 3511, Lancaster, PA 17604
 William R. Reed Phone: 717-396-5523

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
08/P03	ASTM C423
08/P07	ANSI/ASTM E492

NVLAP LAB CODE 0229

GOLD BOND BUILDING PRODUCTS
A NATIONAL GYPSUM DIVISION, RESEARCH CENTER
1650 Military Road, Buffalo, NY 14217
C. Richard Mapes Phone: 716-873-9750

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
08/P03	ASTM C423
08/P06	ASTM E90
08/E21	AMA-1-II

NVLAP LAB CODE 0230

VIRGINIA CONCRETE LABORATORY
6555 Industrial Drive, Springfield, VA 22150
Steve Griffith Phone: 703-354-7100

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0232

RITCHIE LABORATORIES
1820 North Mosley, P.O. Box 8901, Wichita, KS 67208
Donald J. Brockel Phone: 316-263-9937

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0233

STS CONSULTANTS, LTD.
FAIRFAX VA OFFICE
2929-C Eskridge Road, Fairfax, VA 22031
John M. Grusha Phone: 703-698-5300

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231 ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0239

HUFCOR ACOUSTICAL LABORATORY
HOUGH MANUFACTURING CORP.
P.O. Box 591
1205 Norwood Road, Janesville, WI 53547
Stanley Kowalczyk Phone: 608-756-1241

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
08/P03	ASTM C423
08/P06	ASTM E90

NVLAP LAB CODE 0240

OMNI ENVIRONMENTAL SERVICES, INC.
SOLID FUELS TESTING LAB
10950 SW 5th Street, Suite 160
Beaverton, OR 97005
Richard Blackburn Phone: 503-643-3755

Accreditation Renewal Date: January 1, 1989

PHYSICAL/FIRE TEST GROUP (04/F00)

<u>NVLAP Code</u>	UL 737 5th Ed. 11/9/82	UL 1482 2nd Ed. 1/24/83
04/F01	8	8
04/F02	9	9
04/F04	11	11
04/F05		14
04/F06	12	12
04/F07	13	13
04/F08	15	16
04/F09	16	16
04/F10	14	15

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/F11	7.2
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04/F12	7.3
04/F14	7.5
04/F16	7.6
04/F17	7.7
04/F18	7.12
04/F19	7.10
04/F20	7.11

MOBILE HOME TEST GROUP(04/M00)

	UL 737 5th Ed. <u>11/9/82</u>	UL 1482 2nd Ed. <u>1/24/83</u>
<u>NVLAP Code</u>		
04/M01	17	17
04/M02	17	17
04/M03	17	17

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/M04	12
04/M05	12
04/M06	12

ELECTRICAL TEST GROUP (04/E00)

	UL 737 5th Ed. <u>11/9/82</u>	UL 1482 2nd Ed. <u>1/24/83</u>
<u>NVLAP Code</u>		
04/E01	33	33
04/E02	34	34
04/E03	35	35
04/E04	36	36
04/E05	38	38
04/E06	37	37
04/E07	39	39
04/E08	40	40

CSA 22.2 No.3 <u>1979</u>	CSA C 22.2 No.113 <u>1982</u>
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04/E09	6.4	6.2
04/E10	6.4	6.2
04/E11	6.8	6.3
04/E12	6.5	6.3
04/E13	6.9	6.4

LAB CODE 0241

UNITED STATES TESTING COMPANY, INC.
UNITECH SERVICES GROUP-WESTERN DIVISION
3536 Oakdale Road, Modesto, CA 95355
Harold L. Stevens Phone: 209-527-2271

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
	ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0243

CUSTOM COATING, INC.
204 West Industrial Blvd., Dalton, GA 30720
Bill Huffman Phone: 404-277-3778

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4

NVLAP LAB CODE 0244

NORTHWEST TESTING LABORATORIES, INC.
5405 N. Lagoon Avenue, P.O. Box 17126
Portland, OR 97217-0126
Harry L. Lippy Phone: 503-289-1778

Accreditation Renewal Date: January 1, 1989

PHYSICAL/FIRE TEST GROUP (04/F00)

	UL 737 5th Ed. <u>11/9/82</u>	UL 1482 2nd Ed. <u>1/24/83</u>
<u>NVLAP Code</u>		
04/F01	8	8
04/F02	9	9
04/F04	11	11
04/F05		14
04/F06	12	12
04/F07	13	13
04/F08	15	16
04/F09	16	16
04/F10	14	15

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/F11	7.2
04/F12	7.3
04/F14	7.5
04/F16	7.6
04/F17	7.7
04/F18	7.12
04/F19	7.10
04/F20	7.11

MOBILE HOME TEST GROUP(04/M00)

	UL 737 5th Ed. <u>11/9/82</u>	UL 1482 2nd Ed. <u>1/24/83</u>
<u>NVLAP Code</u>		
04/M01	17	17
04/M02	17	17
04/M03	17	17

CSA B 366.2-M1984
(ULC s627-M1984)
(April, 1984)

04/M04	12
04/M05	12
04/M06	12

ELECTRICAL TEST GROUP (04/E00)

<u>NVLAP Code</u>	<u>UL 737</u>	<u>UL 1482</u>
	<u>5th Ed.</u>	<u>2nd Ed.</u>
	<u>11/9/82</u>	<u>1/24/83</u>
04/E01	33	33
04/E02	34	34
04/E03	35	35
04/E04	36	36
04/E05	38	38
04/E06	37	37
04/E07	39	39
04/E08	40	40
	<u>CSA</u>	<u>CSA</u>
	<u>22.2 No.3</u>	<u>C 22.2 No.113</u>
	<u>1979</u>	<u>1982</u>

04/E09	6.4	6.2
04/E10	6.4	6.2
04/E11	6.8	6.3
04/E12	6.5	6.3
04/E13	6.9	6.4

NVLAP LAB CODE 0247

HOLLYTEX CARPET MILL, INC.
505 N.E. Seventh Street, P.O. Box 369
Anadarko, OK 73005
Darlene McIntire Phone: 405-247-6641

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
03/C01	AATCC 16E
03/C02	AATCC 8
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4
03/S01	ASTM D1335

NVLAP LAB CODE 0248

KNAUF FIBER GLASS RESEARCH LABORATORIES
240 Elizabeth Street, Shelbyville, IN 46176
Kerry VanArsdel Phone: 317-398-4434

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/D02	ASTM C167
01/D08	ASTM C302
01/D09	ASTM C303
01/D11	ASTM C356
01/D12	ASTM C411
01/D13	ASTM C519
01/S01	ASTM C165
01/T01	ASTM C177
01/T05	ASTM C335
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687

NVLAP LAB CODE 0250

W. R. GRACE & COMPANY
THERMAL MEASUREMENTS LABORATORY
62 Whittemore Avenue, Cambridge, MA 02140
Gregory Derderian Phone: 617-876-1400

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/D09	ASTM C303
01/D14	ASTM C520
01/T04	ASTM C236
01/T06	ASTM C518

NVLAP LAB CODE 0251

STATE OF CALIFORNIA BUREAU OF HOME FURNISHINGS
INSULATION PROGRAM
3485 Orange Grove Avenue
North Highlands, CA 95660
Sarfraz A. Siddiqui Phone: 916-920-7005

Accreditation Renewal Date: July 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/C02	16 CFR-Part 1209.5 (formerly HH-I-515 part 4.8.5)
01/D21	ASTM D2126 (proc. E)
01/D26	16 CFR-Part 1209.4 (formerly HH-I-515, part 4.8.1)
01/D28	ASTM D2126 (proc. G)
01/F07	16 CFR-Part 1209.6 (formerly HH-I-515, part 4.8.7)
01/F08	16 CFR-Part 1209.7 (formerly HH-I-515, part 4.8.8)
01/T01	ASTM C177
01/T06	ASTM C518

NVLAP LAB CODE 0252

D/L LABORATORIES
116 East 16th Street, New York, NY 10003
Saul Spindel Phone: 212-777-4410

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
09/A01	ASTM D56
09/A02	ASTM D93
09/A03	ASTM D153
09/A04	ASTM D185
09/A05	ASTM D281
09/A07	ASTM D523
09/A08	ASTM D562
09/A09	ASTM D1005
09/A10	ASTM D1186
09/A11	ASTM D1200
09/A12	ASTM D1210
09/A13	ASTM D1212
09/A14	ASTM D1296
09/A15	ASTM D1310

09/A16	ASTM D1400
09/A17	ASTM D1475
09/A18	ASTM D1544
09/A19	ASTM D1729
09/A20	ASTM D2244
09/A21	ASTM D3278
09/A22	ASTM D3363
09/A23	ASTM D3793
09/A24	ASTM D4061
09/A25	ASTM D4212
09/A26	ASTM E97
09/A28	ASTM E313
09/B01	ASTM D279
09/B02	ASTM D332
09/B03	ASTM D344
09/B04	ASTM D610
09/B05	ASTM D659
09/B06	ASTM D660
09/B07	ASTM D661
09/B08	ASTM D662
09/B09	ASTM D711
09/B10	ASTM D714
09/B11	ASTM D772
09/B12	ASTM D821
09/B13	ASTM D868
09/B14	ASTM D869
09/B15	ASTM D870
09/B16	ASTM D913
09/B17	ASTM D968
09/B18	ASTM D969
09/B19	ASTM D1308
09/B20	ASTM D1309
09/B23	ASTM D1640
09/B24	ASTM D1737
09/B25	ASTM D2197
09/B26	ASTM D2243
09/B27	ASTM D2248
09/B29	ASTM D2486
09/B30	ASTM D2801
09/B31	ASTM D2805
09/B32	ASTM D3273
09/B33	ASTM D3274
09/B34	ASTM D3450
09/B35	ASTM D3456
09/B37	ASTM D4060
09/B38	ASTM D4062
09/B39	ASTM D4213
09/B40	ASTM D4214
09/B41	Fed. Std. 141 Method 4494
09/B42	Fed. Std. 141 Method 4061
09/C02	ASTM D95
09/C06	ASTM D1078
09/C07	ASTM D1133
09/C08	ASTM D1208
09/C09	ASTM D1259
09/C11	ASTM D1353
09/C12	ASTM D1364
09/C22	ASTM D1644
09/C26	ASTM D2369
09/C27	ASTM D2371
09/C28	ASTM D2697
09/C29	ASTM D2698
09/C30	ASTM D2832
09/C37	ASTM D3723
09/C39	ASTM D3960
09/C40	ASTM D4017
09/D01	ASTM B117
09/D02	ASTM D609
09/D03	ASTM D822
09/D04	ASTM D823
09/D05	ASTM D1006
09/D06	ASTM D1014

09/D07	ASTM D1654
09/D10	ASTM D2247
09/D11	ASTM D2372
09/D13	ASTM D3924
09/D14	ASTM G23
09/D16	ASTM G53
13/001	ASTM C-510
13/002	ASTM C-603
13/003	ASTM C-639
13/004	ASTM C-661
13/005	ASTM C-679
13/006	ASTM C-681
13/007	ASTM C-711
13/008	ASTM C-712
13/009	ASTM C-713
13/010	ASTM C-718
13/011	ASTM C-719
13/012	ASTM C-731
13/013	ASTM C-732
13/014	ASTM C-733
13/015	ASTM C-734
13/016	ASTM C-736
13/017	ASTM C-741
13/018	ASTM C-742
13/019	ASTM C-792
13/020	ASTM C-793
13/021	ASTM C-794
13/022	ASTM C-910
13/023	ASTM D-2202
13/024	ASTM D-2203
13/025	ASTM D-2376
13/026	ASTM D-2377
13/027	ASTM D-2450
13/028	ASTM D-2451
13/029	ASTM D-2452
13/030	ASTM D-2453

NVLAP LAB CODE 0253

GIFFORD-HILL & CO. INC.
 TECHNICAL SERVICES DIVISION LABORATORY
 1621 Falcon Drive, DeSoto, TX 75115
 K.S. Pryor, II Phone 214-224-9296

Accreditation Renewal Date: January 1, 1989

NVLAP Code Designation

02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
	ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0255

UNDERWRITERS LABORATORIES INC.
 1285 Walt Whitman Road, Melville, NY 11747
 Louis Okin Phone: 516-271-6200

Accreditation Renewal Date: October 1, 1988

NVLAP Code Designation

12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0256

WESTERN ELECTRO-ACOUSTIC LABORATORY, INC.
1711 16th Street, Santa Monica, CA 90404
Jose C. Ortega Phone: 213-870-9268

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
08/P03	ASTM C423
08/P06	ASTM E90

NVLAP LAB CODE 0257

GAI CONSULTANTS, INC.
570 Beatty Road, Monroeville, PA 15146
Charles T. Ford Phone: 412-856-6400

Accreditation Renewal Date: July 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
	ASTM C173
02/A01	ASTM C39
02/A02	ASTM C617

NVLAP LAB CODE 0258

THE CELOTEX CORPORATION, TRACY PLANT
400 West Gandy Dancer Drive, P.O. Box 1500
Tracy, CA 95376
Robert E. Herrell Phone: 209-836-4440

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/T06	ASTM C518

NVLAP LAB CODE 0259

MACMILLAN BLOEDEL INC.
TECHNICAL DEPARTMENT TESTING LABORATORIES
P.O. Box 336, Pine Hill, AL 36769
G. S. Overstreet Phone: 205-963-4391

Accreditation Renewal Date: July 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
09/E02	TAPPI T402-OM
09/E05	TAPPI T410-OM
09/E06	TAPPI T411-OM
09/E07	TAPPI T412-OM
09/E08	TAPPI T414-OM
09/E10	TAPPI T435-OM
09/E12	TAPPI T459-OM ASTM D2482

09/E13	TAPPI T460-OM ASTM D726
09/E17	TAPPI T494-OM
09/E19	TAPPI T538-PM
09/E20	TAPPI T809-OM
09/E21	TAPPI T818-OM
09/E22	TAPPI T807-OM
09/E25	TAPPI T826-PM
09/H01	ASTM D642
09/H23	TAPPI T688-OM
09/H24	TAPPI T802-OM
09/H25	TAPPI T803-OM
09/H26	TAPPI Useful Method 807
09/H27	TAPPI T808-OM
09/H28	TAPPI T810-OM
09/H29	TAPPI T811-OM
09/H30	TAPPI T821-PM

NVLAP LAB CODE 0260

BASF STYROPOR TECHNICAL CENTER
Cranbury and South River Road
Jamesburg, NJ 08831
Mark C. Braemer Phone: 201-521-1600

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/S02	ASTM C203
01/S11	ASTM D1621
01/T06	ASTM C518

NVLAP LAB CODE 0261

RADCO
(RESOURCES APPLICATIONS, DESIGNS & CONTROLS, INC.)
16415 South Avalon Blvd., Gardena, CA 90248
J. D. Waldman Phone: 213-532-3842

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
01/D07	ASTM C272
01/D09	ASTM C303
01/D21	ASTM D2126
01/D27	ASTM D2126
01/D29	California Energy Commission tests for insulating materials: Installed compressed thickness
01/S01	ASTM C165
01/S02	ASTM C203
01/S09	ASTM D781
01/S10	ASTM D828
01/S11	ASTM D1621
01/T06	ASTM C518
01/V04	ASTM E96

NVLAP LAB CODE 0263

WHITTAKER ANALYTICAL SERVICES
1231 South Lincoln Street, P.O. Box 825
Colton, CA 92324
Edward J. Holzrichter Phone: 714-825-6292

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
09/A03	ASTM D153
09/A04	ASTM D185
09/A05	ASTM D281
09/A07	ASTM D523
09/A08	ASTM D562
09/A09	ASTM D1005
09/A10	ASTM D1186
09/A11	ASTM D1200
09/A12	ASTM D1210
09/A13	ASTM D1212
09/A14	ASTM D1296
09/A16	ASTM D1400
09/A17	ASTM D1475
09/A18	ASTM D1544
09/A19	ASTM D1729
09/A20	ASTM D2244
09/A21	ASTM D3278
09/A22	ASTM D3363
09/A25	ASTM D4212
09/A26	ASTM E97
09/A28	ASTM E313
09/B03	ASTM D344
09/B04	ASTM D610
09/B05	ASTM D659
09/B06	ASTM D660
09/B07	ASTM D661
09/B08	ASTM D662
09/B10	ASTM D714
09/B13	ASTM D3274
09/B14	ASTM D869
09/B15	ASTM D870
09/B17	ASTM D968
09/B19	ASTM D1308
09/B23	ASTM D1640
09/B24	ASTM D1737
09/B25	ASTM D2197
09/B27	ASTM D2248
09/B30	ASTM D2801
09/B31	ASTM D2805
09/B33	ASTM D3274
09/B37	ASTM D4060
09/B40	ASTM D4214
09/B41	Fed. Std. 141 Method 4494
09/B42	Fed. Std. 141 Method 4061
09/C02	ASTM D95
09/C04	ASTM D563
09/C06	ASTM D1078
09/C07	ASTM D1133
09/C09	ASTM D1259
09/C10	ASTM D1306
09/C11	ASTM D1353
09/C12	ASTM D1364
09/C14	ASTM D1397
09/C15	ASTM D1398
09/C17	ASTM D1467
09/C20	ASTM D1613
09/C21	ASTM D1639
09/C22	ASTM D1644
09/C23	ASTM D1652
09/C26	ASTM D2369
09/C27	ASTM D2371
09/C29	ASTM D2698
09/C30	ASTM D2832
09/C31	ASTM D3009
09/C32	ASTM D3271
09/C34	ASTM D3335
09/C35	ASTM D3624
09/C36	ASTM D3718
09/C39	ASTM D3960

09/C40	ASTM D4017
09/D01	ASTM B117
09/D04	ASTM D823
09/D06	ASTM D1014
09/D07	ASTM D1654
09/D10	ASTM D2247
09/D11	ASTM D2372
09/D16	ASTM G53

NVLAP LAB CODE 0265

WEYERHAEUSER TECHNOLOGY CENTER
Mail Stop WTC 1B14, Tacoma, WA 98477
Tom Friberg Phone: 206-924-6204

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
09/E02	TAPPI T402-OM
09/E03	TAPPI T403-OS ASTM D774
09/E05	TAPPI T410-OM
09/E06	TAPPI T411-OM
09/E07	TAPPI T412-OM ASTM D644
09/E08	TAPPI T414-OM
09/E09	TAPPI T425-OM
09/E11	TAPPI T452-OM
09/E12	TAPPI T459-OM ASTM D2482
09/E13	TAPPI T460-OM ASTM D726
09/E15	TAPPI T480-OM
09/E16	TAPPI T489-OM
09/E17	TAPPI T494-OM
09/E18	TAPPI T511-OM ASTM D2176
09/E19	TAPPI T538-PM
09/E20	TAPPI T809-OM
09/E21	TAPPI T818-OM
09/G01	ASTM D3330
09/G02	ASTM D3652
09/G04	ASTM D3662
09/G05	ASTM D3715
09/H01	ASTM D642
09/H02	ASTM D895
09/H03	ASTM D1008
09/H07	Method 5005.1
09/H08	Method 5007.1
09/H09	Method 5008.1
09/H19	Method 5019.1
09/H20	Method 5020.1
09/H27	TAPPI T808-OM
09/H28	TAPPI T810-OM
09/H29	TAPPI T811-OM
09/H30	TAPPI T821-PM

NVLAP LAB CODE 0266

UNITED STATES TESTING COMPANY, INC.
CHEMICAL SERVICES DIVISION
1415 Park Avenue, Hoboken, NJ 07030
Stephen C. Pevera Phone: 201-792-2400

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
09/A01	ASTM D56
09/A02	ASTM D93
09/A03	ASTM D153
09/A04	ASTM D185
09/A05	ASTM D281

09/A07	ASTM D523
09/A08	ASTM D562
09/A11	ASTM D1200
09/A12	ASTM D1210
09/A13	ASTM D1212
09/A15	ASTM D1310
09/A16	ASTM D1400
09/A17	ASTM D1475
09/A20	ASTM D2244
09/A21	ASTM D3278
09/A22	ASTM D3363
09/A25	ASTM D4212
09/B04	ASTM D610
09/B05	ASTM D659
09/B06	ASTM D660
09/B07	ASTM D661
09/B08	ASTM D662
09/B10	ASTM D714
09/B11	ASTM D772
09/B12	ASTM D821
09/B13	ASTM D868
09/B15	ASTM D870
09/B16	ASTM D913
09/B17	ASTM D968
09/B19	ASTM D1308
09/B21	ASTM D1360
09/B23	ASTM D1640
09/B24	ASTM D1737
09/B25	ASTM D2197
09/B26	ASTM D2243
09/B27	ASTM D2248
09/B29	ASTM D2486
09/B30	ASTM D2801
09/B33	ASTM D3274
09/B34	ASTM D3450
09/B37	ASTM D4060
09/B40	ASTM D4214
09/B41	Fed. Std. 141 Method 4494
09/B42	Fed. Std. 141 Method 4061
09/C02	ASTM D95
09/C06	ASTM D1078
09/C09	ASTM D1259
09/C11	ASTM D1353
09/C12	ASTM D1364
09/C15	ASTM D1398
09/C19	ASTM D1541
09/C20	ASTM D1613
09/C21	ASTM D1639
09/C22	ASTM D1644
09/C23	ASTM D1652
09/C24	ASTM D2075
09/C25	ASTM D2076
09/C26	ASTM D2369
09/C27	ASTM D2371
09/C28	ASTM D2697
09/C29	ASTM D2698
09/C31	ASTM D3009
09/C32	ASTM D3271
09/C33	ASTM D3272
09/C37	ASTM D3723
09/C38	ASTM D3792
09/C39	ASTM D3960
09/C40	ASTM D4017
09/D01	ASTM B117
09/D02	ASTM D609
09/D04	ASTM D823
09/D07	ASTM D1654
09/D08	ASTM D1730
09/D11	ASTM D2372
09/D13	ASTM D3924
09/D16	ASTM G53

NVLAP LAB CODE 0267

RETLIF, INC. TESTING LABORATORIES
795 Marconi Avenue, Ronkonkoma, NY 11779
Walter A. Poggi Phone: 516-737-1500

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316
12/T03	47 CFR Part 68 Subpart D 68.302 Para. a, b

NVLAP LAB CODE 0268

EMACO, INC.
7562 Trade Street, San Diego, CA 92121
Herbert K. Mertel Phone 619-578-1480

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0269

NORAND EMC TEST LAB
102 W. Cemetery Road, P.O. Box 305
Fairfax, IA 52228
Michael W. Howard Phone: 319-846-2415

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0270

DASH, STRAUS, & GOODHUE, INC.
593 Massachusetts Avenue, Boxborough, MA 01719
Glen Dash Phone: 617-263-2662

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314

12/T02 47 CFR Part 68 Subpart D
68.316
12/T03 47 CFR Part 68 Subpart D
68.302 Para. a, b

NVLAP LAB CODE 0271

AMADOR CORPORATION
Wild Mountain Road, Taylors Falls, MN 55084
Daniel D. Hoolihan Phone: 612-583-3322

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316

NVLAP LAB CODE 0272

COMMUNICATION CERTIFICATION LABORATORY
1940 West Alexander Street, Salt Lake City, UT
84119
William S. Hurst Phone: 801-972-6146

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316
12/T03	47 CFR Part 68 Subpart D 68.302 Para. a, b

NVLAP LAB CODE 0273

MET ELECTRICAL TESTING COMPANY, INC.
916 West Patapsco Avenue, Baltimore, MD 21230
Robert Frier Phone: 301-354-2200

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316
12/T03	47 CFR Part 68 Subpart D 68.302 Para. a, b

NVLAP LAB CODE 0274

TESTMARK LABORATORIES
3050 Harrodsburg Road, Lexington, KY 40503
Clifford Eugene Jones Phone: 606-223-3061

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316
12/T03	47 CFR Part 68 Subpart D 68.302 Para. a, b

NVLAP LAB CODE 0275

A T & T INFORMATION SYSTEMS
EMC LABORATORY
MS: Building 41-112, Crawfords Corner Road
Holmdel, NJ 07733
D.N. Heirman Phone: 201-834-3566

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0276

D.L.S. ELECTRONIC SYSTEMS, INC.
10350 Dearlove Road, Glenview, IL 60025
Donald L. Sweeney Phone: 312-699-9060

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0277

CONTINENTAL TESTING LABORATORIES
8385 South U.S. Highway 17-92
Fern Park, FL 32730-2898
Joe Sini Phone: 305-831-2700

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f

68.304, 68.306, 68.308,
68.310, 68.312, 68.314
12/T02 47 CFR Part 68 Subpart D,
68.316
12/T03 47 CFR Part 68 Subpart D
68.302 Para. a, b

NVLAP LAB CODE 0278

ELITE ELECTRONIC ENGINEERING COMPANY
1516 Centre Circle, Downers Grove, IL 60515
James C. Klouda Phone: 312-495-9770

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316
12/T03	47 CFR Part 68 Subpart D 68.302 Para. a, b

NVLAP LAB CODE 0279

PHILIPPINE GEOANALYTICS
No. 21 Scout de Guia, Quezon City, Philippines
Emilio M. Morales Phone: 97-27-12

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
02/G01	ASTM C31 ASTM C172 ASTM C143 ASTM C138 ASTM C231
02/A01	ASTM C39

NVLAP LAB CODE 0280

R & B ENTERPRISES
20 Clipper Road, West Conshohocken, PA 19428
Finbarr M. O'Connor, Jr. Phone: 215-825-1960

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f 68.304, 68.306, 68.308, 68.310, 68.312, 68.314
12/T02	47 CFR Part 68 Subpart D, 68.316

NVLAP LAB CODE 0281

STANDARD T CHEMICAL TECHNICAL CENTER
10th & Washington Streets
Chicago Heights, IL 60411
J.D. Jensen Phone: 312-775-1223

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
09/A01	ASTM D56
09/A07	ASTM D523
09/A08	ASTM D562
09/A12	ASTM D1210
09/A15	ASTM D1310
09/A17	ASTM D1475
09/B03	ASTM D344
09/B05	ASTM D659
09/B06	ASTM D660
09/B07	ASTM D661
09/B08	ASTM D662
09/B10	ASTM D714
09/B29	ASTM D2486
09/B30	ASTM D2801
09/B31	ASTM D2805
09/B32	ASTM D3273
09/B34	ASTM D3450
09/B37	ASTM D4060
09/B38	ASTM D4062
09/B40	ASTM D4214
09/B41	Fed. Std. 141 Method 4494

NVLAP LAB CODE 0282

ARCHITECTURAL TESTING INC.
Two Interchange Place York, PA 17402
Henry Taylor Phone: 717-846-7700

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
01/T04	ASTM C236

NVLAP LAB CODE 0283

UNISYS CORPORATION
322 North Sperry Way, Salt Lake City, UT 84116
Mr. Kenneth B. Singleton Phone: 801-594-5369

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0284

AMOCO FOAM PRODUCTS COMPANY
2907 Log Cabin Drive, Smyrna, GA 30080
Alisa R. Hoffee Phone: 404-351-5151

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
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01/T06	ASTM C518
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NVLAP LAB CODE 0285

SPECTRUM CONTROL, INC.

2185 West Eighth Street, Erie, PA 16505

Angelo P. Fiorelli Phone: 814-455-0966

Accreditation Renewal Date: April 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
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12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated

NVLAP LAB CODE 0286

ACOUSTIC SYSTEMS ACOUSTICAL RESEARCH FACILITY

P.O. Box 3610, Austin, TX 78764

David Nelson Phone: 512-444-1961

Accreditation Renewal Date: July 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
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08/P03	ASTM C423
08/P06	ASTM E90
08/P08	ANSI/ASTM E596-78
08/P11	ANSI S1.31-80
08/P18	ISO 3741-75

NVLAP LAB CODE 0287

ENGINEERS INTERNATIONAL, INC.

98 East Naperville Road, Westmont, IL 60559

Madan M. Singh Phone: 312-963-3460

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
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CONCRETE

02/G01	ASTM C31
	ASTM C172
	ASTM C143
	ASTM C138
	ASTM C231
02/A01	ASTM C39
02/A02	ASTM C617

AGGREGATES

02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75

SOIL AND ROCK

09/L01	ASTM D4220
09/L02	ASTM D422
09/L04	ASTM D698
09/L05	ASTM D854
09/L06	ASTM D1140
09/L07	ASTM D1556
09/L08	ASTM D1557
09/L10	ASTM D1883
09/L11	ASTM D2166
09/L13	ASTM D2216
09/L16	ASTM D2487
09/L17	ASTM D2488
09/L20	ASTM D4318
09/L23	ASTM D2922
09/L25	ASTM D3017
09/L26	ASTM D4221

NVLAP LAB CODE 0288

BENTLEY TESTING LABORATORIES

14641 E. Don Julian Road

City of Industry, CA 91746

Donovan Morris Phone: 800-423-4709

Accreditation Renewal Date: October 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
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03/C01	AATCC 16E
03/C02	AATCC 8
03/D01	ASTM D418
03/F03	16 CFR Part 1630 (FF 1-70) Sec.1630.4
03/F04	ASTM E648
03/F05	ASTM E662
03/S01	ASTM D1335
03/S03	ASTM D3936

NVLAP LAB CODE 0289

SPONGE CUSHION INC.

902 Armstrong Street, Morris, IL 60450

Donald E. Barkley Phone: 815-942-2300

Accreditation Renewal Date: July 1, 1988

<u>NVLAP Code</u>	<u>Designation</u>
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03/F04	ASTM E648
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NVLAP LAB CODE 0290

STAUFFER JAPAN, LIMITED

1, Oaza, Sunayama, Hasaki-machi, Kashima-Gun

Ibaraski, JAPAN 314-04

Mitsunobu Samoto Phone: 03-261-8967

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
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12/C01	47 CFR Part 15 J, Conducted
12/R01	47 CFR Part 15 J, Radiated
12/T01	47 CFR Part 68 Subpart D 68.302 Para. c, d, e, f

68.304, 68.306, 68.308,
68.310, 68.312, 68.314
12/T02 47 CFR Part 68 Subpart D,
68.316
12/T03 47 CFR Part 68 Subpart D
68.302 Para. a, b

NVLAP LAB CODE 0291

CHAMPION INTERNATIONAL CORPORATION
Technical Center, West Nyack, NY 10994
Ms. Diane M. Lee Phone: 914-578-7157

Accreditation Renewal Date: January 1, 1989

<u>NVLAP Code</u>	<u>Designation</u>
09/E02	TAPPI T402-OM ASTM D685 ASTM D685
09/E03	TAPPI T403-OM ASTM D774
09/E05	TAPPI T410-OM
09/E06	TAPPI T411-OM
09/E07	TAPPI T412-OM ASTM D644
09/E08	TAPPI T414-OM
09/E09	TAPPI T425-OM
09/E11	TAPPI T452-OM
09/E13	TAPPI T460-OM ASTM D726
09/E15	TAPPI T480-OM
09/E16	TAPPI T489-OM
09/E17	TAPPI T494-OM
09/E18	TAPPI T511-OM ASTM D2176
09/E19	TAPPI T538-PM
09/E21	TAPPI T818-OM
09/E23	TAPPI T524-OM
09/E24	TAPPI T527-SU
09/E25	TAPPI T826-PM
09/E26	TAPPI UM524
09/E27	TAPPI UM403
09/E28	TAPPI T541-PM
09/E29	TAPPI T476-OM
09/F01	TAPPI UM548 ASTM D3208/para.11.1 ASTM D3290/para.11.2
09/J01	TAPPI T525-OM
09/J02	TAPPI T220-OM

NVLAP LAB CODE 0501

BALTIMORE GAS & ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR POWER PLANT
NUCLEAR POWER DEPARTMENT, DOSIMETRY UNIT
RADIATION SAFETY SECTION
Lusby, MD 20657
Eugene T. Reimer Phone: 301-269-4716

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0502

UNION ELECTRIC COMPANY
CALLAWAY PLANT
P.O. Box 620, Fulton, MO 65251
Laurence E. Auman Phone: 314-676-8321

Accreditation Renewal Date: April 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0503

MALLINCKRODT DIAGNOSTICS, INC.
2703 Wagner Place, Maryland Heights, MO 63043
LeeAnn Borcharding Phone: 314-344-3981

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Harshaw Automatic readers model 2000B and 2000D.

Harshaw TLD model 100 for ANSI-N13.11 category VII.

NVLAP LAB CODE 0504

NAVAL MEDICAL COMMAND
NATIONAL CAPITAL REGION
RADIATION SAFETY DEPARTMENT
Bethesda, MD 20814
Robert T. Devine Phone: 202-295-5414

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Harshaw Automatic reader model 2271 and Manual film processing using a Macbeth densitometer.

Harshaw TLD Albedo (1 TLD 600, 1 TLD 700) for ANSI-N13.11 categories II, IV, VIII. Film Badge (Kodak Type 3) for ANSI-N13.11 Categories III, IV, V, VI, VII.

NVLAP LAB CODE 0505

DUKE POWER COMPANY, DOSIMETRY LABORATORY
Physical Sciences Building
Route 4, Box 531, Huntersville, NC 28078
Wanda M. Carter Phone: 704-875-1971

Accreditation Renewal Date: April 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual readers model 8300 and 8310.

Teledyne TLD model PB3 for ANSI-N13.11 categories II, IV, V, VII.

NVLAP LAB CODE 0506

SOUTHERN CALIFORNIA EDISON
SAN ONOFRE NUCLEAR GENERATING STATION
P.O. Box 128, San Clemente, CA 92672
Robert Dickey Phone: 714-368-6254

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD802-AS2 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0508

NEW YORK POWER AUTHORITY
INDIAN POINT UNIT NO. 3 NUCLEAR POWER PLANT
P.O. Box 215, Buchanan, NY 10511
Thomas Labenski Phone: 914-736-8413

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710B and Panasonic Manual reader UD702E.

Panasonic TLD model UD806AQ for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0509

NAVAL RESEARCH LABORATORY
Code 4073, Washington, DC 20375
Kirk J. King Phone: 202-767-2232

Accreditation Renewal Date: January 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271.

NRL Radiation Badge for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0510

GENERAL PUBLIC UTILITIES NUCLEAR CORPORATION
DIVISION OF RADIOLOGICAL & ENVIRONMENTAL CONTROLS
Route 441 South, P.O. Box 480, Middletown, PA
O. Ronald Perry Phone: 717-948-8595

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710.

Panasonic TLD model UD802-2 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, and Panasonic TLD model UD802-2N for ANSI-N13.11 categories IV, VIII.

NVLAP LAB CODE 0511

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
P.O. Box 41, Lycoming, NY 13093
Mr. George J. Vargo Phone: 315-342-3840

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD812 for ANSI-N13.11 categories II, IV, VI, VII.

NVLAP LAB CODE 0512

RADIATION DETECTION COMPANY
162 Wolfe Road, P.O. Box 1414, Sunnyvale, CA 94088
Richard H. Holden Phone: 408-735-8700

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) modified CON RAD readers; (2) Teledyne 7100 reader; (3) Teledyne 7300 reader; (4) Harshaw 3000 reader; (5) Victoreen 2800 reader; (6) by manual film processing and reading on a Macbeth TD502 densitometer; or (7) Tracketch, NTA manual optical readers.

Designation	Process	ANSI N13.11 Categories
Hi Energy TLD	1	II, IV
Beta TLD	1,3*	V, VII
Lo Energy TLD	1,3*	I, III, VI
TLD Albedo	3*,6	VIII
Film XBG	6	I, II, III, IV, V, VI, VII
Film XBGN	6,7	VIII
Neutron Tracketch	7	VIII

* Processes listed above 2, 4, and 5 are considered functionally acceptable as substitutes which can be used in lieu of process 3 as listed above.

NVLAP LAB CODE 0513

GULF NUCLEAR, INC.

100 E. Nasa Road One, #411, Webster, TX 77598
Joseph Pryber Phone: 713-338-2652

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Teledyne Automatic reader model 9150.

Teledyne TLD model PB3 loaded with a
RGD-CaSO₄:Dy-0.4 B/G card and a
RGD-6LiF/CaSO₄:Dy-0.4 Neutron card for ANSI-13.11
categories I, II, III, IV, V, VI, VII, and VIII.

NVLAP LAB CODE 0514

ROCHESTER GAS & ELECTRIC CORP.

R.E. GINNA NUCLEAR POWER PLANT

1503 Lake Road, Ontario, NY 14519
Rodger W. Kober Phone: 315-524-4446

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A..

Panasonic TLD model UD802 for ANSI-N13.11
categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0515

THERMO ANALYTICAL INC.

TMA/EBERLINE

5635 Kircher Boulevard NE
Post Office Box 3874
Albuquerque, NM 87190-3874
Nels Johnson Phone: 505-345-9931

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Eberline Manual reader TLR-6.

Eberline TLD (2 or 3 Harshaw TLD 100 chips) for
ANSI-N13.11 categories I, II, III, IV, V, VI, VII,
VIII.

Eberline Albedo (4 TLD100 chips) for ANSI-N13.11
Category VIII.

NVLAP LAB CODE 0516

TENNESSEE VALLEY AUTHORITY, DOSIMETRY LABORATORY
RADIOLOGICAL HEALTH BRANCH

Chattanooga, TN 37402-2801

Rob L. Coleman Phone: 616-751-2549

Accreditation Renewal Date: April 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

Panasonic TLD model UD802 for ANSI-N13.11
categories I, II, III, IV, V, VI, VII, VIII.

The following sites are included in the accreditation as sub-facilities of the above listed main facility and are accredited for the same equipment and dosimeter listed.

Browns Ferry Nuclear Plant, Decatur, Alabama
Watts Bar Nuclear Plant, Spring City, Tennessee
Sequoyah Nuclear Plant, Daisy, Tennessee
Western Area Radiological Laboratory, Muscle Shoals, Alabama

NVLAP LAB CODE 0517

CAROLINA POWER & LIGHT COMPANY

HARRIS ENERGY & ENVIRONMENTAL CENTER

Route 1, Box 327, New Hill, NC 27562
Stephen A. Browne Phone: 919-362-3212

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

Panasonic TLD model UD802 for ANSI-N13.11
categories I, II, III, IV, V, VI, VII, VIII.

The following sites are included in the accreditation as sub-facilities of the above listed main facility. These sub-facilities are accredited by virtue of using identical equipment and procedures as indicated above.

Robinson Nuclear Plant, Hartsville, South Carolina
Brunswick Nuclear Plant, Southport, North Carolina
Harris Nuclear Project, New Hill, North Carolina

NVLAP LAB CODE 0518

R.S. LANDAUER JR. & COMPANY

Glenwood Science Park, 2 Science Park
Glenwood, IL 60425
Craig Yoder Phone: 312-755-7000

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) automatic film reader Tech/Ops model 1; (2) Harshaw Atlas Hotgas reader/modified Atlas reader with apollo sysems CO2 laser; (3) Harshaw 2271 reader; (4) NTA/Polycarbonate /CR-39 manual optical readers; or (5) manual densitometers X-Rite, Tech/Ops model 301, Macbeth model TD504.

Landauer designation

Film	Process	ANSI Category
G - Film "GARDRAY"	1,5	I, II, III, IV, V, VI, VII
P - G badge plus NTA	1,4,5	VIII
A - G badge plus polycarbonate	1,4	VIII
TLD		
L - 4 chip "GARDRAY"	2	I, II, III, IV, V, VI, VII
D - 3 700 chip Harshaw card	3	II, IV, V, VII
I - Neutrak ER	3,4	VIII
T modified - 3 100/700 chips	2	I, II, III, IV, V, VI, VII

The facility is accredited to process the following dosimeters which have been deemed functionally acceptable by virtue of using identical techniques and equipment to process combinations of elements demonstrated above.

Landauer designation

Film	Process	ANSI Category
B - G badge plus CR-39	1,4,5	I through VIII
C - G badge plus CR-39 and Cadmium	1,4,5	I through VIII
P - G badge plus NTA	1,4,5	I through VIII
H - G badge plus NTA and Cadmium	1,4,5	I through VIII
A - G badge plus polycarbonate	1,4,5	I through VIII
J - G badge plus polycarbonate and Cadmium	1,4,5	I through VII
Y - G badge plus Cadmium	1,4,5	I, III
R - G badge plus ER	1,3,4,5	I through VIII
Q -DEX-RAY	1,4,5	I, III

TLD

F - L badge plus CR-39	2,4	I through VIII
- L badge plus polycarbonate	2,4	I through VIII
- L badge plus ER	2,3,4	I through VIII
T - 2 chip	2	II, IV, V, VII

The following sites are included in the accreditation as sub-facilities of the above listed main facility.

The following sub-facilities are accredited to process the Landauer "D" badge employing a Harshaw 2271 automatic TLD reader for ANSI N13.11 categories II, IV, V, VII which have been deemed functionally acceptable by virtue of using identical techniques and procedures as demonstrated above for the items specified.

R.S. Landauer, Jr. & Company Nuclear Station System (NSS) sites at:

Alabama Power, Farley Nuclear Plant, Ashford, Alabama

The following sub-facilities are accredited to perform limited volume, emergency response processing employing either a Harshaw 3000 manual reader or manual film processing techniques for the following badges:

ANSI N13.11 Categories

G - Film "GARDRAY"	I through VII
L - TLD 4 chip "GARDRAY"	I through VII
T - TLD 2 chip	II, IV, V, VII

R. S. Landauer, Jr. & Company Offices: El Segundo, California; Houston, Texas; Burlington, Massachusetts; and East Brunswick, New Jersey.

The following sub-facility is accredited to process 4 Chip TLD 700 (LF.) Harshaw card used with a Harshaw Type 80 Holder the Landauer NSS/PPSL dosimeter employing a Harshaw automatic reader type 2276 or a manual type 2000A or B by virtue of actual demonstration of N13.11-1983 through testing in Categories I, II, III, IV, V, VI, VII.

Pennsylvania Power & Light-N.S.S., 2 North Ninth Street, Allentown, PA 18101

NVLAP LAB CODE 0519

HOUSTON LIGHTING & POWER COMPANY, MANAGING PARTNER
SOUTH TEXAS PROJECT GENERATING STATION
P.O. Box 1700, Houston, TX 77059
Gene R. Jarvela Phone: 512-972-3651

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD Model UD802 for ANSI-N13.11 categories II, IV, VII, VIII.

NVLAP LAB CODE 0520

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
P.O. Box 402, Mineral, VA 23117
Henry F. Kahnhauser Phone: 703-894-5151

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual readers model 8300 and 8310.

Teledyne TLD model BP3 for ANSI-N13.11 categories II, IV, V, VII.

NVLAP LAB CODE 0521

DUQUESNE LIGHT COMPANY
NUCLEAR DIVISION - BEAVER VALLEY POWER STATION
P.O. Box 4, Shippingport, PA 15077
Robert M. Vento Phone: 412-393-5874

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD812 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0522

CONSUMERS POWER COMPANY
PERSONNEL DOSIMETRY LABORATORY
1945 Parnall Road, Jackson, MI 49201
Karl H. Andrews Phone: 517-788-0433

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Teledyne Automatic reader model 9100.

Teledyne TLD model BG for ANSI-N13.11 categories II, IV, V, VII.

Teledyne TLD model BGN for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0523

VIRGINIA ELECTRIC & POWER COMPANY
SURRY POWER STATION
P.O. Box 315, Surry, VA 23883
Dean Densmore Phone: 804-357-3184

Accreditation Renewal Date: January 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual reader model 8300.

Teledyne TLD model PB3 for ANSI-N13.11 categories II, IV, V, VII.

NVLAP LAB CODE 0524

YANKEE ATOMIC ELECTRIC COMPANY
1671 Worcester Road, Framingham, MA 01701
Neill Stanford Phone: 617-872-8100

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271.

Harshaw TLD model BGN for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, and VIII.

NVLAP LAB CODE 0525

OMAHA PUBLIC POWER DISTRICT
1623 Harney Street, Omaha, NE 68102
Marilyn Hawes Phone: 402-536-4696

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2000B and a Harshaw Manual reader model 2000C.

Harshaw TLD model BG for ANSI-N13.11 categories II, IV, V, VII, and Harshaw TLD model BGN for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0526

KANSAS GAS AND ELECTRIC COMPANY
WOLF CREEK GENERATING STATION
P.O. Box 309, Burlington, KS 66839
Larry Breshears Phone: 316-364-8831

Accreditation Renewal Date: January 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and manual reader 702E.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0528

TEXAS UTILITIES GENERATING COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION
P.O. Box 2300, Glen Rose, TX 76043
Eric J. Schmitt Phone: 817-897-4856

Accreditation Renewal Date: July 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

DETROIT EDISON COMPANY
HEALTH PHYSICS/DOSIMETRY
6400 North Dixie Highway, Newport, MI 48166
Stephen Bump Phone: 313-586-5312

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII,

and

Panasonic TLD model UD809 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0530

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 STEAM ELECTRIC STATION
P.O. Box B, Killona, LA 70066
Ronald C. McLendon Phone: 504-464-3269

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0531

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
NUCLEAR DEPARTMENT - RADIATION PROTECTION SERVICES
P.O. Box 236, Hancocks Bridge, NJ 08038
Jeffrey L. Kotsch Phone: 609-339-4568

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII,

and

Panasonic TLD combination of UD802/UD809 for ANSI-N13.11 Category VIII.

SIEMENS GAMMASONICS, INC.
2000 Nuclear Drive, Des Plaines, IL 60018
Robert W. Pollock Phone: 312-635-3396

Accreditation Renewal Date: January 1, 1990

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Atlas reader and Manual film processing using a custom densitometer.

Siemens TLD (3 TLD 100, LiF. chips) for ANSI-N13.11 Categories I, II, III, IV, V, VI.

Siemens Film Badge (Kodak Type 3, CR-39) for ANSI-N13.11 Categories II through VIII.

NVLAP LAB CODE 0533

TELEDYNE ISOTOPEES
50 Van Buren Avenue, Westwood, NJ 07675
Darrell Slane Phone: 201-664-7070

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual readers model 8300 and 7300.

Teledyne TLD model PB5 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0534

GULF STATES UTILITIES - RIVER BEND STATION
DOSIMETRY GROUP
P.O. Box 220, St. Francisville, LA 70775
William Eisele Phone: 504-635-6094

Accreditation Renewal Date: July 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0536

ARIZONA NUCLEAR POWER PROJECT-FVNGS
P.O. Box 21666, Station 6075, Phoenix, AZ 85036
Michael W. Lantz Phone: 602-965-1065

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic

Automatic reader model UD710A and Panasonic Manual reader UD720.

Panasonic TLD model UD812 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Panasonic TLD combination UD809 and UD812 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0537

PACIFIC GAS AND ELECTRIC
DIABLO CANYON POWER PLANT
Box 337, Avila Beach, CA 93424
D. E. Jones Phone: 805-541-7194

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII,

and

Panasonic TLD model UD813/802 for ANSI-N13.11 category VIII,

and

Panasonic TLD model UD808 for ANSI-N13.11 Categories V & VII.

NVLAP LAB CODE 0538

CON EDISON INDIAN POINT STATION
Broadway and Bleakly Avenue, Buchanan, NY 10511
Philip J. Gaudio Phone: 914-526-5248

Accreditation Renewal Date: April 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0539

U.S. ARMY IONIZING RADIATION DOSIMETRY CENTER
Attn: AMXTM-CE-DC, Lexington, KY 40511
A. Edward Abney Phone: 606-293-3249

Accreditation Renewal Date: January 1, 1990

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing Manual film processing and using a Macbeth model TD-504 densitometer, or a Panasonic Model 710 reader.

Film Badge (Kodak Type 3) for ANSI-N13.11 Categories I, II, III, IV, V, VI, VII.

Film Badge (Kodak Type A) for ANSI-N13.11 Category VIII.

Panasonic Model UD802 for ANSI-N13.11 Categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0540

NORTHEAST UTILITIES SERVICE COMPANY
RADIOLOGICAL ASSESSMENT BRANCH
P.O. Box 270, Hartford, CT 06141
Henry W. Siegrist Phone: 203-665-3591

Accreditation Renewal Date: January 1, 1990

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic reader model 9100, and Teledyne Manual reader model 8300.

Teledyne TLD model PB3 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0541

COMMONWEALTH EDISON COMPANY
72 West Adams Street, Room 1248, Chicago, IL 60603
Marsha T. Lesniak Phone: 312-294-8152

Accreditation Renewal Date: January 1, 1990

Byrn Station
Braidwood Station
Dresden Station
Quad Cities Station
Zion Station
LaSalle Station

These facilities listed have been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0542

ARIZONA STATE UNIVERSITY
RADIATION MEASUREMENTS FACILITY
College of Engineering and Applied Sciences
Electrical and Computer Engineering
Tempe, AZ 85287
G. William Klingler Phone: 602-965-065

Accreditation Renewal Date: October 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD812 for ANSI-N13.11 category IV.

NVLAP LAB CODE 0543

NEW HAMPSHIRE YANKEE
SEABROOK STATION
P.O. Box 300, Route 1, Seabrook, NH 03874
Eric L. Darois Phone: 603-474-9574

Accreditation Renewal Date: January 1, 1990

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

Panasonic TLD model UD813 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Panasonic TLD combination UD809 and UD813 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0544

FLORIDA POWER & LIGHT
9250 West Flagler Street
P.O. Box 029110, Miami, FL 33102
Sander C. Perle Phone: 305-552-3669

Accreditation Renewal Date: July 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 8000.

Panasonic TLD model LG-7777 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII and Harshaw TLD model L-NG7677 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0545

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
P.O. Box 968, 3000 George Washington Way
Richland, WA 99352
Mr. David B. Ottley Phone: 509-377-8048

Accreditation Renewal Date: July 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing Teledyne Automatic reader model 9100, and Teledyne Manual reader model 8300.

Teledyne TLD model PB3 with CaSO₄ Beta/gamma card, both primary and back up areas for ANSI-N13-11 category II, IV, V, VII, VIII.

Teledyne TLD model PB3 with CaSO₄ Beta/gamma card and 6LIF/CaSO₄ Neutron card both primary and back up areas for ANSI-N13-11 category VIII.

NVLAP LAB CODE 0546

MISSISSIPPI POWER & LIGHT
GRAND GULF NUCLEAR STATION
P.O. Box 756, Port Gibson, MS 39150
Tommy E. Tankersley Phone: 601-437-2369

Accreditation Renewal Date: July 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0547

SOUTH CAROLINA ELECTRIC & GAS COMPANY
P.O. Box 764, Columbia, SC 29218
Gregory G. Hall Phone: 803-345-1915

Accreditation Renewal Date: July 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0550

PORTLAND GENERAL ELECTRIC COMPANY
121 SW Salmon Street, Portland, OR 97204
Dr. Norman C. Dyer Phone: 503-556-3713 x285

Accreditation Renewal Date: July 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271 and a manual reader model 2000.

Harshaw TLD model 80BG for ANSI-N13.11 categories II, III, IV, V, VI, VII.

NVLAP LAB CODE 0551

GEORGIA POWER COMPANY
ENVIRONMENTAL AFFAIRS DIVISION
DOSIMETRY & ENVIRONMENTAL RADIOCHEMISTRY
5131 Maner Road, Smyrna, GA 30080
Don Philpotts Phone: 404-526-3535

Accreditation Renewal Date: April 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710.

Panasonic TLD model UD802 for ANSI-N13.11-1983 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0552

NUCLEAR SOURCES & SERVICES, INC.
P.O. Box 34042, Houston, TX 77234
G. T. O'Bannion Phone: 713-641-1379

Accreditation Renewal Date: January 1, 1990

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271 or a Harshaw Manual reader model 2000C.

Harshaw TLD model G7 for ANSI-N13.11 category IV
and

Harshaw TLD model NG67 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0553

NIAGARA MOHAWK POWER CORP.
NINE MILE POINT
P.O. BOX 32
LYCOMING, NY 13093
David Helms Phone: 315-343-2110

Accreditation Renewal Date: April 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader model UD702E.

Panasonic TLD model UD802 for ANSI-N13.11-1983 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0555

ICN DOSIMETRY SERVICE
DIVISION OF ICN BIOMEDICALS, INC.
3300 Hyland Avenue, ICN Plaza
Costa Mesa, CA 92626
S. Nemecek Phone: 714-545-0100

Accreditation Renewal Date: July 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A for TLD processing and manual developing techniques and a Macbeth densitometer for film processing.

TLD model ICN 802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

TLD Model ICN 802N for ANSI-N13.11 category VIII
and

ICN Model T2 (Kodak type II film) for ANSI-N13.11 categories I, II, IV, V, VII

ICN Model T2X (Kodak type II film) for ANSI-N13.11 category III

NVLAP LAB CODE 0556

ATOMIC ENERGY INDUSTRIAL LABORATORIES
OF THE SOUTHWEST, INC. (AEIL)
6421 South Main Street, Houston, TX 77030
Steven H. Alen Phone: 713-790-9719

Accreditation Renewal Date: April 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Manual film processing using a custom densitometer.

Film Badge (Kodak Type 3) for ANSI-N13.11 Categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0557

UNITED STATES TESTING COMPANY, INC.
2800 George Washington Way, Richland WA 99352
Govind R. Rao Phone: 509-375-3131

Accreditation Renewal Date: October 1, 1989

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Manual film processing using an RPO densitometer.

UST 3 Film Badge (Kodak Type 2) for ANSI-N13.11 Categories II, IV, V, VI, VII.

UST-C Film Badge (Kodak Type 2, NTA) for ANSI-N13.11 Category VIII.

NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM PROCEDURES

(Title 15 of the Code of Federal Regulations)

Subpart A - General Information

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- 7.2 Description and goal of NVLAP.
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Subpart D - Conditions and Criteria for Accreditation

- 7.31 Application of accreditation conditions and criteria.
- 7.32 Conditions for accreditation.
- 7.33 Criteria for accreditation.

AUTHORITY: Sec. 2, 31 Stat 1449 as amended (15 U.S.C. 272); Reorg. Plan No. 3 of 1946, Part VI.

SUBPART A - GENERAL INFORMATION

Sec. 7.1 Purpose.

The purpose of Part 7 is to set out procedures under which the National Voluntary Laboratory Accreditation Program (NVLAP) will function.

Sec. 7.2 Description and goal of NVLAP.

(a) NVLAP is a system for accrediting testing laboratories found competent to perform specific tests or types of tests. Competence is defined as the ability of a laboratory to meet the NVLAP conditions (Section 7.32) and to conform to the criteria (Section 7.33) as tailored and interpreted for the test methods, types of test methods, products, services, or standards for which the laboratory seeks accreditation.

(b) NVLAP is a voluntary system which:

- (1) Provides national recognition for competent laboratories;
- (2) Provides laboratory management with a quality assurance check of the performance of their laboratories;
- (3) Identifies competent laboratories for use by regulatory agencies, purchasing authorities, and product certification systems; and
- (4) Provides laboratories with guidance from technical experts to aid them in reaching a higher level of performance resulting in the generation of improved engineering and product information.

(c) NVLAP is comprised of a series of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. The specific test methods, types of test methods, products, services, or standards to be included in a LAP must be requested. The Director of the National Bureau of Standards (NBS) does not unilaterally propose or decide the scope of a LAP. Communication with other laboratory accreditation systems is fostered to encourage development of common criteria and approaches to accreditation and to promote the domestic, foreign, and international acceptance of test data produced by the accredited laboratories.

(d) NVLAP is carried out to be compatible with and recognized by domestic, foreign, and international systems for laboratory accreditation so as to enhance the universal acceptance of test data produced by NVLAP-accredited laboratories.

Sec. 7.3 Layout of Procedures.

Subpart A describes considerations which relate in general to all aspects of NVLAP. Subpart B describes how new LAPs are requested, developed and announced, and how LAPs are terminated. Subpart C describes procedures for accrediting laboratories. Subpart D sets out the conditions and criteria for NVLAP accreditation.

Sec. 7.4 Definitions.

Accreditation criteria means a set of requirements used by an accrediting body which a laboratory must meet to be accredited.

Advisory Committee means the National Laboratory Accreditation Advisory Committee.

Director of NBS means the Director of the National Bureau of Standards or designee.

Director of OPSP means the Director of the NBS Office of Product Standards Policy or designee.

Laboratory accreditation is a formal recognition that a testing laboratory is competent to carry out specific tests or types of tests.

Laboratory assessment means the on-site examination of a testing laboratory to evaluate its compliance with specified criteria.

LAP means a laboratory accreditation program established and administered under NVLAP.

NBS means the National Bureau of Standards.

NVLAP means the National Voluntary Laboratory Accreditation Program.

OPSP means the NBS Office of Product Standards Policy.

Person means associations, companies, corporations, educational institutions, firms, government agencies at the federal, state and local level, partnerships, and societies-- as well as divisions thereof--and individuals.

Product means a type or a category of manufactured goods, constructions, installations, and natural and processed materials, or those associated services whose characterization, classification, or functional performance is specified by standards or test methods.

Proficiency testing means methods of checking laboratory testing performance by means of interlaboratory tests.

Testing laboratory is a laboratory which measures, examines, tests, calibrates or otherwise determines the characteristics or performance of products.

Traceability of the accuracy of measuring instruments is a documented chain of comparison connecting the accuracy of a measuring instrument to other measuring instruments of higher accuracy and ultimately to a primary standard.

Sec. 7.5 Establishment and Functions of a National Laboratory Accreditation Advisory Committee.

(a) The Director of NBS shall establish a National Laboratory Accreditation Advisory Committee (Advisory Committee) and appoint its chairperson and members following the filing of a charter setting forth the purpose and nature of the committee.

(b) The composition of the Advisory Committee will be approximately as follows:

- (1) One-third from federal, state and local governments;
- (2) One-third from testing laboratories (independent, corporate, and academic); and
- (3) One-third from users of testing laboratories, academia, consultants, and consumers.

(c) The Advisory Committee will be governed by the Federal Advisory Committee Act (5 U.S.C. App. 2). Persons selected to serve on the Advisory Committee may be paid travel expenses and per diem.

(d) The Advisory Committee shall function solely in an advisory capacity with functions to include the following:

- (1) Assessing the future and continuing role of NVLAP and laboratory accreditation in terms of the changing requirements of industry and commerce;
- (2) Advising on the technical requirements of testing laboratories and those served by the laboratories;
- (3) Advising on the necessity and implementation of proposed amendments to the criteria referenced in Section 7.33;

- (4) Evaluating the interaction of other laboratory accreditation systems with NVLAP; and
- (5) Reviewing and giving recommendations on the development of international accreditation activities and assessing the impact of such activities on NVLAP.

(e) The Advisory Committee shall meet periodically as called upon by the Director of the NBS Office of Product Standards Policy (OPSP) or may be consulted through periodic mailings from the Director of OPSP.

Sec. 7.6 User information.

(a) The Director of OPSP shall prepare and publish at least once each year a directory of accredited laboratories.

(b) The Director of OPSP shall periodically prepare supplements to the directory of accredited laboratories covering new accreditation actions taken, including initial accreditations, renewals, suspensions, terminations, and revocations.

Sec. 7.7 Information Collection Requirements

The information collection requirements contained in these procedures have been approved by the Office of Management and Budget under the Paperwork Reduction Act and have been assigned OMB control number 0652-0003.

SUBPART B - ESTABLISHING A LAP

Sec. 7.11 Requesting a LAP.

(a) Any person may request the Director of NBS to establish a LAP.

(b) Each request must be in writing and must include:

- (1) The scope of the LAP in terms of products or testing services proposed for inclusion;
- (2) Specific identification of the applicable standards and test methods including appropriate designations, and the organizations or standards writing bodies having responsibility for them;
- (3) A statement of need for the LAP including:
 - (i) Technical and economic reasons why the LAP would benefit the public interest;
 - (ii) Evidence of a national need to accredit testing laboratories for the specific scope beyond that served by an existing laboratory accreditation program in the public or private sector;
 - (iii) An estimate of the number of laboratories that may seek accreditation; and
 - (iv) An estimate of the number and nature of the users of such laboratories; and
- (4) A statement of the extent to which the requestor is willing to support necessary developmental aspects of the LAP with funding and personnel.

(c) The Director of OPSP may request clarification of the information required by paragraph (b) of this section.

(d) Before determining the need for a LAP, the Director of NBS shall publish a FEDERAL REGISTER notice of the receipt of a LAP request if the request complies with Section 7.11(b). The notice will:

- (1) Describe the scope of the requested LAP;
- (2) Indicate how to obtain a copy of the request; and
- (3) State that anyone may submit comments on the need for a LAP to the Director of OPSP within 60 days of the date of the notice.

Sec. 7.12 LAP development decision.

(a) The Director of NBS shall establish all LAPs on the basis of need. Government agencies and private sector organizations may establish the need by using Sections 7.13 and 7.14.

(b) After receipt of the request, the Director of NBS shall analyze it to determine if a need exists for the requested LAP. In making this determination, the Director of NBS shall consider the following:

- (1) The needs and scope of the LAP initially requested;
- (2) The needs and scope of the user population;
- (3) The nature and content of other relevant public and private sector laboratory accreditation programs;
- (4) Compatibility with the criteria referenced in Section 7.33;
- (5) The importance of the requested LAP to commerce, consumer well-being, or the public health and safety;
- (6) The economic and technical feasibility of accrediting testing laboratories for the test methods, types of test methods, products, services, or standards requested; and

- (7) Recommendations from written comments for altering the scope of the requested LAP by adding or deleting test methods, types of test methods, products, services, or standards.

(c) If the Director of NBS decides that a need has been demonstrated, and if resources are available to develop a LAP, the Director of OPSP shall notify interested persons of the decision to proceed with development of a LAP.

(d) If the Director of NBS concludes that there is a need for a LAP but there are no resources for development, the Director of OPSP shall notify the requestor and other interested persons of the decision not to proceed until resources become available.

(e) If the Director of NBS decides that a need for a LAP has not been demonstrated, the Director of OPSP shall notify the requestor and other interested persons of the decision and the reasons not to proceed with development of a LAP.

Sec. 7.13 Request from a government agency.

(a) Any federal, state or local agency responsible for regulatory or public service programs established under statute or code, which has determined a need to accredit testing laboratories within the context of its programs, may request the Director of NBS to establish a LAP.

(b) Each request must be in writing and must include the information required in Section 7.11(b) and:

- (1) A description of the procedures followed or a citation of the specific authority used to determine the need for a LAP; and
- (2) For state and local government agencies, a statement of why the LAP should be of national scope.

(c) The Director of OPSP may request clarification of the information required by paragraph (b) of this section.

(d) Before deciding to proceed with development of a LAP, the Director of NBS shall publish a FEDERAL REGISTER notice of the receipt of a LAP request. The notice will indicate how to obtain a copy of the request and will state that anyone may submit comments on the need for a LAP to the requesting government agency within 60 days of the date of the notice.

(e) The Director of OPSP shall notify interested persons of the decision to proceed or not to proceed with development of a LAP.

Sec. 7.14 Request from a private sector organization.

(a) Any private sector organization which has determined a need to accredit testing laboratories for specific products or testing services, may request the Director of NBS to establish a LAP if it uses procedures meeting the following conditions:

- (1) Public notice of meetings and other activities including requests for LAPs is provided in a timely fashion and is distributed to reach the attention of interested persons;
- (2) Meetings are open and participation in activities is available to interested persons;
- (3) Decisions reached by the private sector organization in the development of a request for a LAP represent substantial agreement of the interested persons;
- (4) Prompt consideration is given to the expressed views and concerns of interested persons;
- (5) Adequate and impartial mechanisms for handling substantive and procedural complaints and appeals are in place; and
- (6) Appropriate records of all meetings are maintained and the official procedures used by the private sector organization to make a formal request for a LAP are made available upon request to any interested person.

(b) Each request must be in writing and must include the information required in Section 7.11(b) and a description of the way in which the organization has met the conditions specified in paragraph (a) of this section.

(c) The Director of OPSP may request clarification of the information required by paragraph (b) of this section.

(d) Before deciding to proceed with development of a LAP, the Director of NBS shall publish a FEDERAL REGISTER notice of the receipt of a LAP request. The notice will indicate how to obtain a copy of the request and will state that anyone may submit comments on the need for a LAP to the requesting private sector organization within 60 days of the date of the notice.

(e) The Director of OPSP shall notify interested persons of the decision to proceed or not to proceed with development of a LAP.

Sec. 7.15 Development of technical requirements.

(a) Technical requirements for accreditation are specific for each LAP. The requirements tailor the criteria referenced in Section 7.33 to the test methods, types of test methods, products, services, or standards covered by the LAP.

(b) The Director of OPSP shall develop the technical requirements based on expert advice. This advice may be obtained through one or more informal public workshops or other suitable means.

(c) The Director of OPSP shall make every reasonable effort to ensure that the affected testing community within the scope of the LAP is informed of any planned workshop. Summary minutes of each workshop will be prepared. A copy of the minutes will be made available for inspection and copying at the NBS Records Inspection Facility.

Sec. 7.16 Coordination with federal agencies.

As a means of assuring effective and meaningful cooperation, input, and participation by those federal agencies that may have an interest in and may be affected by established LAPs, the Director of OPSP shall communicate and consult with appropriate officials within those agencies.

Sec. 7.17 Announcing the establishment of a LAP.

(a) When the Director of OPSP has completed the development of the technical requirements of the LAP and established a schedule of fees for accreditation, the Director of OPSP shall publish a notice in the FEDERAL REGISTER announcing the establishment of the LAP.

(b) The notice will:

- (1) Identify the scope of the LAP; and
- (2) Advise how to apply for accreditation.

(c) The Director of OPSP shall establish fees in amounts that will enable the LAP to be self-sufficient. The Director of OPSP shall revise the fees when necessary to maintain self-sufficiency.

Sec. 7.18 Adding to an established LAP.

Written requests will be considered from any person wishing to add specific standards, test methods, or types of test methods to an established or developing LAP. The Director of OPSP may choose to make them available for accreditation under a LAP when:

- (a) The additional standards, test methods, or types of test methods requested are directly relevant to the LAP;
- (b) It is feasible and practical to accredit testing laboratories for the additional standards, test methods, or types of test methods; and
- (c) It is likely that laboratories will seek accreditation for the additional standards, test methods, or types of test methods.

Sec. 7.19 Termination of a LAP.

(a) The Director of NBS may terminate a LAP when the Director of NBS determines that a need no longer exists to accredit testing laboratories for the products or testing services covered under the scope of the LAP. In the event that the Director of NBS proposes to terminate a LAP, a notice will be published in the FEDERAL REGISTER setting forth the basis for that determination.

(b) The notice published under paragraph (a) of this section will provide a 60-day period for submitting written comments on the proposal to terminate the LAP. All written comments will be made available for public inspection and copying at the NBS Records Inspection Facility.

(c) After the comment period, the Director of NBS shall determine if public support exists for the continuation of the LAP. If public comments support the continuation of the LAP, the Director of NBS shall publish a FEDERAL REGISTER notice announcing the continuation of the LAP. If public support does not exist for continuation, the LAP will be terminated effective 90 days after the date of the published notice of intent to terminate the LAP.

(d) If the LAP is terminated, the Director of OPSP shall no longer grant or renew accreditations following the effective date of termination. Accreditations previously granted will remain effective until their expiration date unless terminated voluntarily by the laboratory or revoked by the Director of OPSP.

SUBPART C - ACCREDITING A LABORATORY

Sec. 7.21 Applying for accreditation.

(a) Any laboratory may request an application for accreditation in any established IAPs in accordance with instructions provided in notices announcing the formal establishment of IAPs.

(b) Upon receipt of a laboratory's application, the Director of OPSP shall:

- (1) Acknowledge receipt of the application;
- (2) Request further information, if necessary;
- (3) Confirm payment of fees before proceeding with the accreditation process; and
- (4) Specify the next step(s) in the accreditation process.

(c) In accepting an application from a foreign-based laboratory, the Director of OPSP shall take into consideration the policy of the host government regarding the acceptance of test data from laboratories accredited by NVIAP or other foreign accreditation systems.

Sec. 7.22 Assessing and evaluating a laboratory.

(a) Information used to evaluate a laboratory's compliance with the conditions for accreditation set out in Section 7.32, the criteria for accreditation set out in Section 7.33, and the technical requirements established for each IAP will include:

- (1) On-site assessment reports;
- (2) Laboratory responses to identified deficiencies; and
- (3) Laboratory performance on proficiency tests.

(b) The Director of OPSP shall arrange the assessment and evaluation of applicant laboratories by contract or other means in such a way as to minimize potential conflicts of interest.

(c) The Director of OPSP shall inform each applicant laboratory of any action(s) that the laboratory must take to complete the requirements for assessment and evaluation.

Sec. 7.23 Granting and renewing accreditation.

(a) The Director of OPSP, after reviewing an evaluation report, shall grant or renew, suspend, or propose to deny or revoke accreditation of an applicant laboratory, no later than 30 days following the date of submittal of the report. If accreditation action is not taken within this time limit, the Director of OPSP shall notify the laboratory stating the reasons for the delay.

(b) If accreditation is granted or renewed, the Director of OPSP shall:

- (1) Provide a certificate of accreditation to the laboratory;
- (2) Identify the scope and terms of the laboratory's accreditation;
- (3) Provide guidance on referencing the laboratory's accredited status, and the use of the NVIAP logo by the laboratory and its clients, as needed; and
- (4) Remind the laboratory that accreditation does not relieve it from complying with applicable federal, state, and local laws and regulations.

(c) The Director of OPSP shall notify an accredited laboratory at least 30 days before its accreditation expires advising of the action(s) the laboratory must take to renew its accreditation.

(d) If an accredited laboratory fails to complete the assessment and evaluation process for renewal before its accreditation expires, the Director of OPSP shall notify the laboratory stating that its accreditation has expired and reiterating the action(s) the laboratory must take to renew its accreditation.

Sec. 7.24 Denying, suspending, and revoking accreditation.

(a) If the Director of OPSP proposes to deny or revoke accreditation of a laboratory, the Director of OPSP shall inform the laboratory of the reasons for the proposed denial or revocation and the procedure for appealing such a decision.

(b) The laboratory will have 30 days from the date of receipt of the proposed denial or revocation letter to request a hearing under the provisions of 5 U.S.C. 556. If the laboratory requests a hearing, the proposed denial or revocation will be stayed pending the outcome of the hearing held under provisions of 5 U.S.C. 556. The proposed denial or revocation will become final through the issuance of a written decision to the laboratory in the event that the laboratory does not appeal the proposed denial or revocation within that 30-day period.

(c) If the Director of OPSP finds that an accredited laboratory has violated the terms of its accreditation or the provisions of these procedures, the Director of OPSP may, after consultation with the laboratory, suspend the laboratory's accreditation, or advise of his/her intent to revoke its accreditation. If accreditation is suspended, the Director of OPSP shall notify the laboratory of that action stating the reasons for and conditions of the suspension and specifying the action(s) the laboratory must take to have its accreditation reinstated. Conditions of suspension will include prohibiting the laboratory from using the NVLAP logo on its test reports during the suspension period. The determination of the Director of OPSP whether to suspend or to propose revocation of a laboratory's accreditation will depend on the nature of the violation(s) of the terms of its accreditation.

(d) A laboratory whose accreditation has been denied, revoked, terminated, or expired, or which has withdrawn its application before being accredited, may reapply and be accredited if the laboratory:

- (1) Completes the assessment and evaluation process; and
- (2) Meets the conditions and criteria for accreditation that are set out in Subpart D;

Sec. 7.25 Voluntary termination of accreditation.

A laboratory may at any time terminate its participation and responsibilities as an accredited laboratory by advising the Director of OPSP in writing of its desire to do so. The Director of OPSP shall terminate the laboratory's accreditation and shall notify the laboratory stating that its accreditation has been terminated in response to its request.

SUBPART D - CONDITIONS AND CRITERIA FOR ACCREDITATION

Sec. 7.31 Application of accreditation conditions and criteria.

(a) To become accredited and maintain accreditation, a laboratory must meet the conditions for accreditation set out in Section 7.32 and the criteria set out in Section 7.33 as tailored for specific LAPs.

(b) The conditions leading to accreditation include acceptance of the responsibilities of an accredited laboratory and requirements for information disclosure.

(c) The criteria are tailored and interpreted for the test methods, types of test methods, products, services or standards of the relevant LAP. These tailored criteria are the technical requirements for accreditation developed through the procedures of Section 7.15.

(d) In applying the conditions, criteria, and technical requirements for accreditation, the Director of OPSP shall not:

- (1) Prohibit accreditation solely on the basis of a laboratory's affiliation or nonaffiliation with manufacturing, distributing, or vending organizations, or because the laboratory is a foreign firm; or
- (2) Develop, modify, or promulgate test methods, standards, or comparable administrative rules.

Sec. 7.32 Conditions for accreditation.

(a) To become accredited and maintain accreditation, a laboratory shall agree in writing to:

- (1) Be assessed and evaluated initially and on a periodic basis;
- (2) Demonstrate, on request, that it is able to perform the tests representative of those for which it is seeking accreditation;
- (3) Pay all relevant fees;
- (4) Participate in proficiency testing as required.
- (5) Be capable of performing the tests for which it is accredited according to the latest version of the test method within one year after its publication or within another time limit specified by the Director of OPSP;
- (6) Limit the representation of the scope of its accreditation to only those tests or services for which accreditation is granted;
- (7) Limit all its test work or services for clients to those areas where competence and capacity are available;
- (8) Limit advertising of its accredited status to letterheads, brochures, test reports, and professional, technical, trade, or other laboratory services publications, and use the NVLAP logo under guidance provided by the Director of OPSP;
- (9) Inform its clients that the laboratory's accreditation or any of its test reports in no way constitutes or implies product certification, approval, or endorsement by NBS;
- (10) Maintain records of all actions taken in response to testing complaints for a minimum of one year;
- (11) Maintain an independent decisional relationship between itself and its clients, affiliates, or other organizations so that the laboratory's capacity to render test reports objectively and without bias is not adversely affected;

- (12) Report to the Director of OPSP within 30 days any major changes involving the location, ownership, management structure, authorized representative, approved signatories, or facilities of the laboratory; and
- (13) Return to the Director of OPSP the certificate of accreditation for possible revision or other action should it:
 - (i) be requested to do so by the Director of OPSP;
 - (ii) voluntarily terminate its accredited status; or
 - (iii) become unable to conform to any of these conditions or the applicable criteria of Section 7.33 and related technical requirements.

(b) To become accredited and maintain accreditation, a laboratory shall supply, upon request, the following information:

- (1) Legal name and full address;
- (2) Ownership of the laboratory;
- (3) Organization chart defining relationships that are relevant to performing testing covered in the accreditation request;
- (4) General description of the laboratory, including its facilities and scope of operation;
- (5) Name and telephone number of the authorized representative of the laboratory;
- (6) Names or titles and qualifications of laboratory staff nominated to serve as approved signatories of test reports that reference NVLAP accreditation; and
- (7) Other information as may be needed for the specific LAP(s) in which accreditation is sought.

Sec. 7.33 Criteria for accreditation.

(a) Quality System.

- (1) The laboratory shall operate under an internal quality assurance program appropriate to the type, range, and volume of work performed. The quality assurance program must be designed to ensure the required degree of accuracy and precision of the laboratory's work and should include key elements of document control, sample control, data validation, and corrective action. The quality assurance program must be documented in a quality manual or equivalent (e.g., operations notebook) which is available for use by laboratory staff. A person(s) must be identified as having responsibility for maintaining the quality manual.
- (2) The quality manual must include as appropriate:
 - (i) The laboratory's quality assurance policies including procedures for corrective action for detected test discrepancies;
 - (ii) Quality assurance responsibilities for each function of the laboratory;
 - (iii) Specific quality assurance practices and procedures for each test, type of test, or other specifically delineated function performed;
 - (iv) Specific procedures for retesting, control charts, reference materials, and interlaboratory tests; and
 - (v) Procedures for dealing with testing complaints.
- (3) The laboratory shall periodically review its quality assurance system by or on behalf of management to ensure its continued effectiveness. These reviews must be recorded with details of any corrective action taken.

(b) Staff.

- (1) The laboratory shall:
 - (i) Be staffed by individuals having the necessary education, training, technical knowledge, and experience for their assigned functions; and
 - (ii) Have a job description for each professional, scientific, supervisory and technical position, including the necessary education, training, technical knowledge, and experience.
- (2) The laboratory shall document the test methods each staff member has been assigned to perform.
- (3) The laboratory shall have a description of its training program for ensuring that new or untrained staff are able to perform tests properly and uniformly to the requisite degree of precision and accuracy.
- (4) The laboratory shall be organized:
 - (i) So that staff members are not subjected to undue pressure or inducement that might influence their judgment or results of their work; and
 - (ii) In such a way that staff members are aware of both the extent and the limitation of their area of responsibility.
- (5) The laboratory shall have a technical manager (or similar title) who has overall responsibility for the technical operations of the laboratory.
- (6) The laboratory shall have one or more signatories approved by the Director of OPSP to sign test reports that reference NVLAP accreditation. Approved signatories shall:
 - (i) Be competent to make a critical evaluation of test results; and
 - (ii) Occupy positions within the laboratory's organization which makes them responsible for the adequacy of test results.

(c) Facilities and Equipment.

- (1) The laboratory shall be furnished with all items of equipment and facilities for the correct performance of the tests and measurements for which accreditation is granted and shall have adequate space, lighting, and environmental control, and monitoring to ensure compliance with prescribed testing conditions.
- (2) All equipment must be properly maintained to ensure protection from corrosion and other causes of deterioration. Instructions for a proper maintenance procedure for those items of equipment which require periodic maintenance must be available. Any item of equipment or component thereof which has been subjected to overloading or mishandling, gives suspect results, or has been shown by calibration or otherwise to be defective, must be taken out of service and clearly labelled until it has been repaired. When placed back in service, this equipment must be shown by test or calibration to be performing its function satisfactorily.
- (3) Records of each major item of equipment must be maintained. Each record must include:
 - (i) The name of the item of equipment;
 - (ii) The manufacturer's name and type, identification and serial number;
 - (iii) Date received and date placed in service;
 - (iv) Current location, where appropriate;
 - (v) Details of maintenance; and
 - (vi) Date of last calibration, next calibration due date, and calibration report references.

(d) Calibration. The laboratory shall:

- (1) Calibrate new testing equipment before putting it into service;
- (2) Recalibrate, at regular intervals, in-service testing equipment with the calibration status readily available to the operator;
- (3) Perform checks of in-service testing equipment between the regular calibration intervals, where relevant;
- (4) Maintain adequate records of all calibrations and recalibrations; and
- (5) Provide traceability of all calibrations and reference standards of measurement where these standards exist. Where traceability of measurements to primary (national or international) standards is not applicable, the laboratory shall provide satisfactory evidence of the accuracy or reliability of test results (e.g., by participation in a suitable program of interlaboratory comparison).

(e) Test Methods and Procedures. The laboratory shall:

- (1) Conform in all respects with the test methods and procedures required by the specifications against which the test item is to be tested, except that whenever a departure becomes necessary for technical reasons the departure must be acceptable to the client and recorded in the test report;
- (2) Have data to prove that any departures from standard methods and/or procedures due to apparatus design or for other reasons do not detract from the expected or required precision of the measurement;
- (3) Maintain a test plan for implementing testing standards and procedures including adequate instructions on the use and operation of all relevant equipment, on the handling and preparation of test items (where applicable), and on standard testing techniques where the absence of such instructions could compromise the test. All instructions, testing standards, specifications, manuals, and reference data relevant to the work of the laboratory must be kept up-to-date and made readily available to the staff;
- (4) Maintain measures for the detection and resolution of in-process testing discrepancies for manual and automatic test equipment and electronic data processing equipment, where applicable;
- (5) Maintain a system for identifying samples or items to be tested, which remains in force from the date of receipt of the item to the date of its disposal, either through documents or through marking to ensure that there is no confusion regarding the identity of the samples or test items and the results of the measurements made; and
- (6) Maintain rules for the receipt, retention, and disposal of test items, including procedures for storage and handling precautions to prevent damage to test items which could invalidate the test results. Any relevant instructions provided with the tested item must be observed.

(f) Records. The laboratory shall:

- (1) Maintain a record system which contains sufficient information to permit verification of any issued report;
- (2) Retain all original observations, calculations and derived data, and calibration records for one year unless a longer period is specified; and
- (3) Hold records secure and in confidence, as required.

(g) Test Reports.

- (1) The laboratory shall issue test reports of its work which accurately, clearly, and unambiguously present the specified test results and all required information. Each test report must include the following information as applicable:
 - (i) Name and address of the laboratory;

- (ii) Identification of the test report by serial number, date, or other appropriate means;
 - (iii) Name and address of client;
 - (iv) Description and identification of the test specimen, sample, or lot of material represented;
 - (v) Identification of the test specification, method, or procedure used;
 - (vi) Description of sampling procedure, if appropriate;
 - (vii) Any deviations, additions to, or exclusions from the test specifications;
 - (viii) Measurements, examinations, and derived results supported by tables, graphs, sketches, and photographs, as appropriate, and any failures identified;
 - (ix) A statement of measurement uncertainty, where relevant;
 - (x) Identification of the organization and the person accepting technical responsibility for the test report and date of issue;
 - (xi) A statement that the report must not be reproduced except in full with the approval of the laboratory; and
 - (xii) A statement to the effect that the test report relates only to the items tested.
- (2) The laboratory shall issue corrections or additions to a test report only by a further document suitably marked, e.g. "Supplement to test report serial number", which meets the relevant requirements of Section 7.33(g)(1).
 - (3) The laboratory shall retain a copy of each test report issued for one year unless a longer period is specified by the Director of OPSP.
 - (4) The laboratory shall ensure that all test reports endorsed with the NVLAP logo are signed by an approved signatory.

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